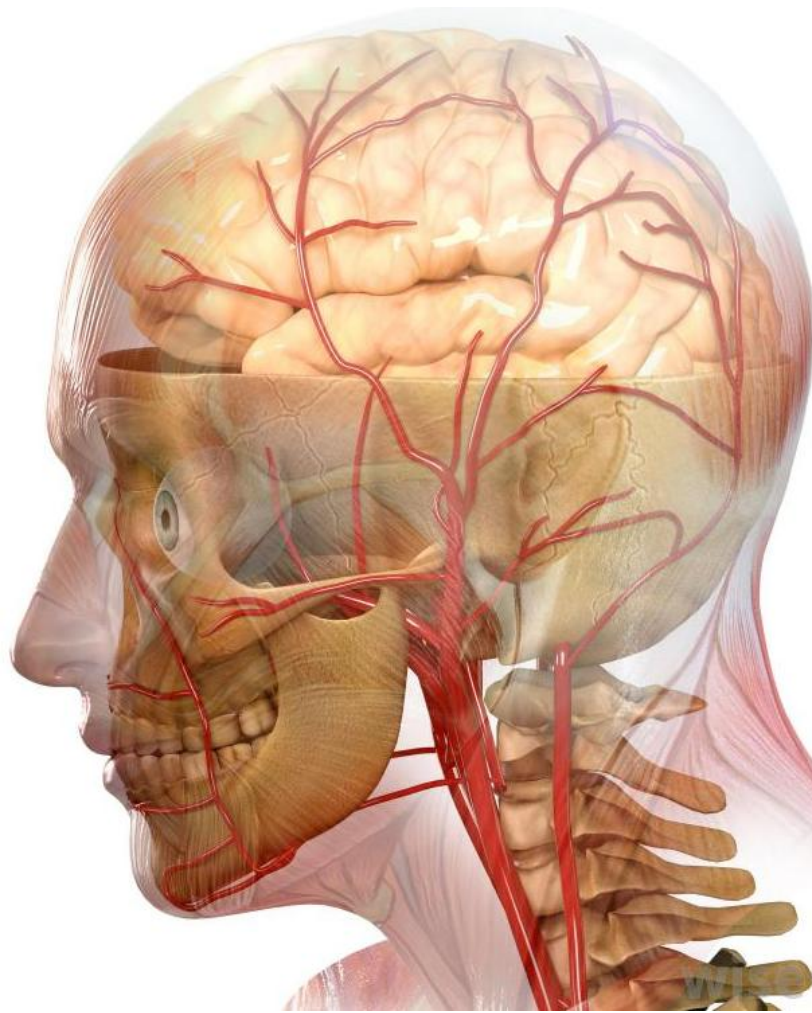


The Human Brain/Mind

A masterpiece of God's design

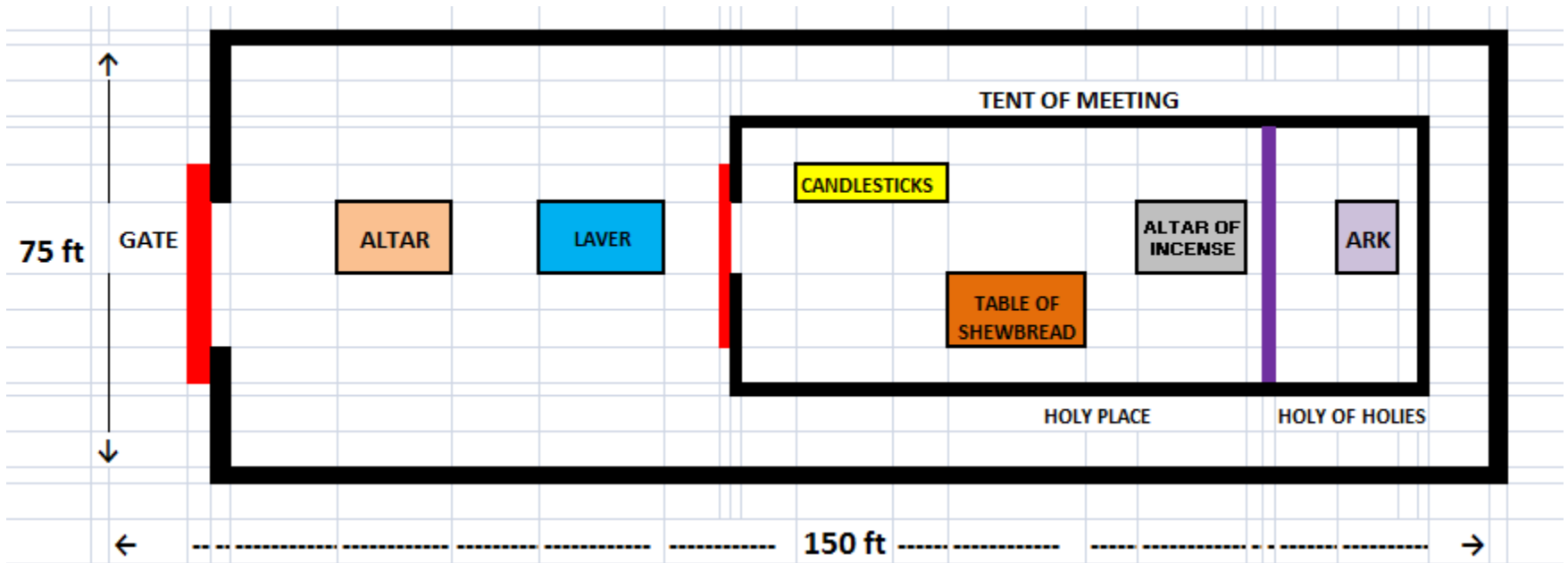
Introducing "The Tabernacle in the Mind"



THE HUMAN BRAIN

DESIGN?
CREATED?
MIND?
THOUGHTS?
CONSCIENCE?
MEMORY?
SOUL?
WILL?
HEART?

Psa 139:14 (KJV) I will praise thee; for I am **fearfully and wonderfully made**: marvellous are thy works; and that **my soul knoweth** right well.



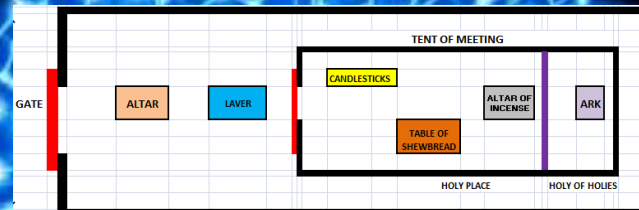
Can you remember it's significance (for them and us) from the last sermon?

It's a timeless pattern – to aid:

- strategy
- approaching God
- ensuring God is central

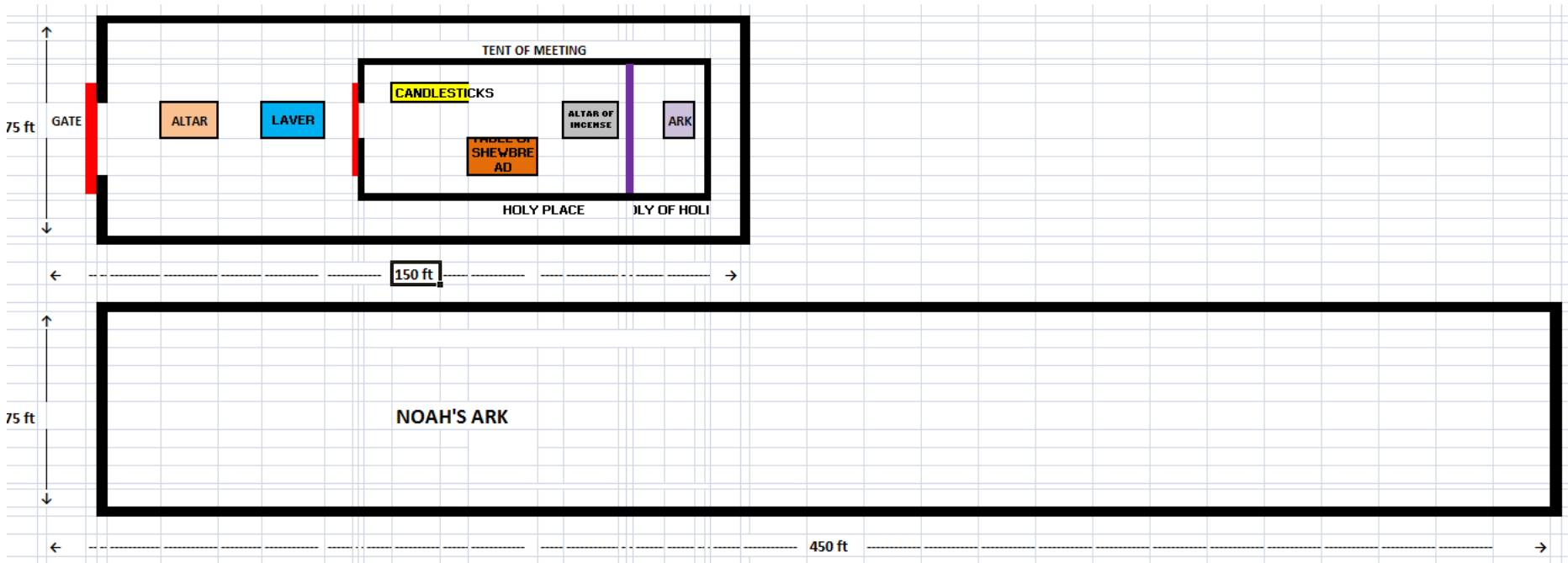
The proposal is that it is a pattern for us – even in our minds

THE TABERBACLE IN THE MIND



- **strategy** (clear understanding of God's plan for humanity & individuals)
- **approach** (approaching God for leadership, learning, worship, prayer)
- **communing and connecting with God**
- **a critical role**
 - central place while camped
 - leading place for movement and war
 - for finding the way, truth ("right mind") and life
 - for managing the thought life

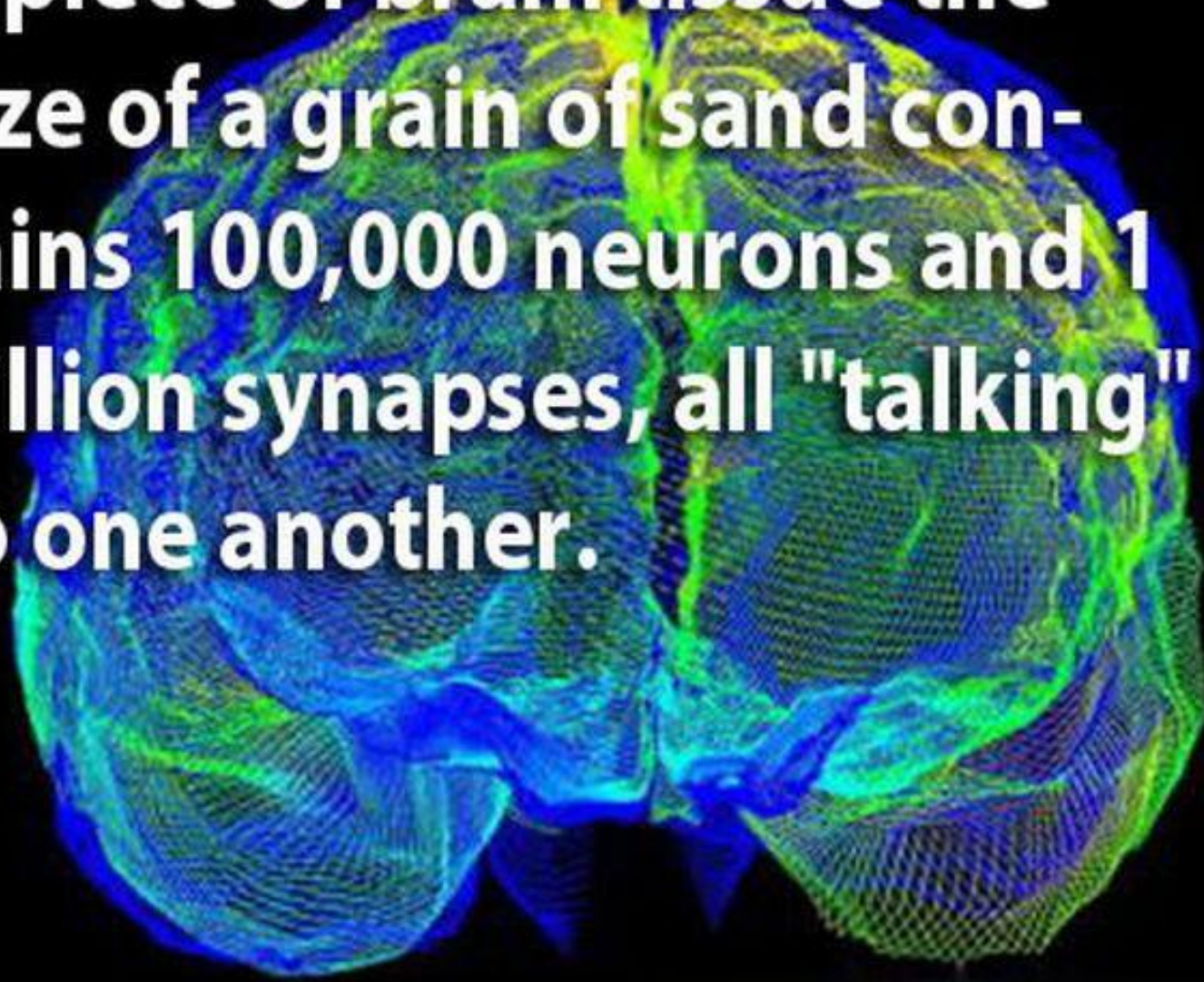
NOTICE THE SIMILARITIES BETWEEN THE TABERNACLE AND THE ARK

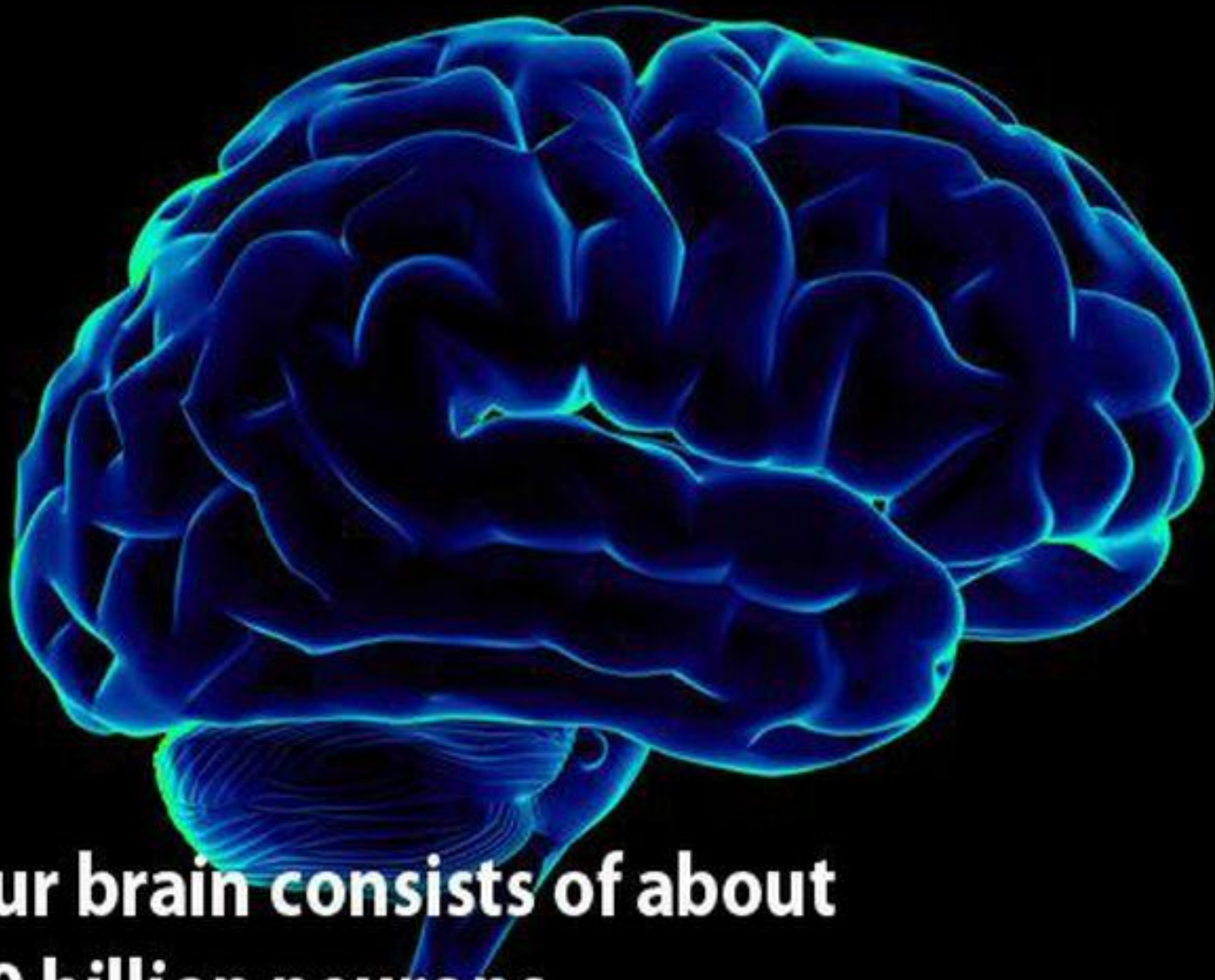


ARK

- Noah's Ark
- it was an ark which saved baby Moses
- the Ark of the Covenant – why was that furniture called an Ark? Both designed by God, made of wood, related to covenants and salvation.
- Noah's Ark was a "type" for Christ (Noah found grace, Ark designed in advance, one door, Noah invited in by God, rooms, security, carried to a better place)
- The tabernacle is also a type for Christ (He is reflected in it throughout)

A piece of brain tissue the size of a grain of sand contains 100,000 neurons and 1 billion synapses, all "talking" to one another.





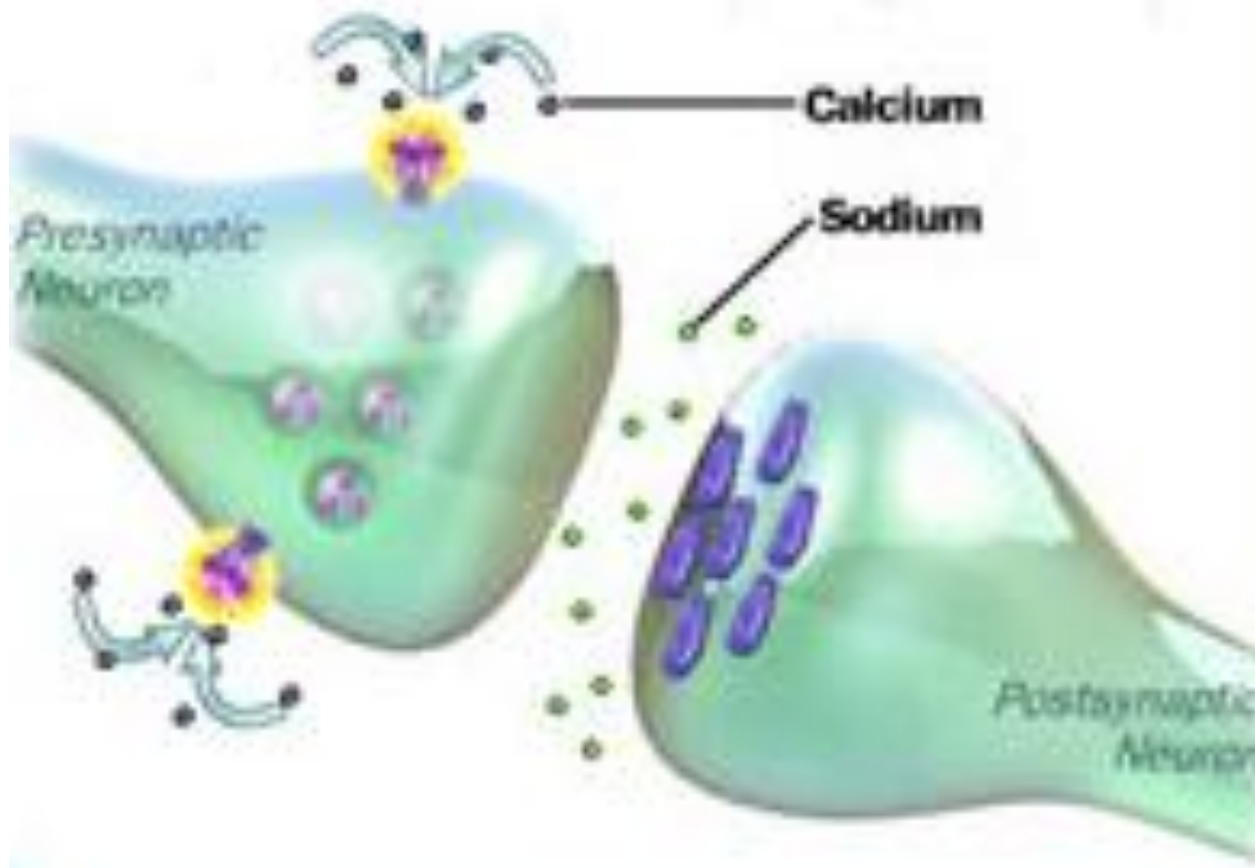
**Your brain consists of about
100 billion neurons.**



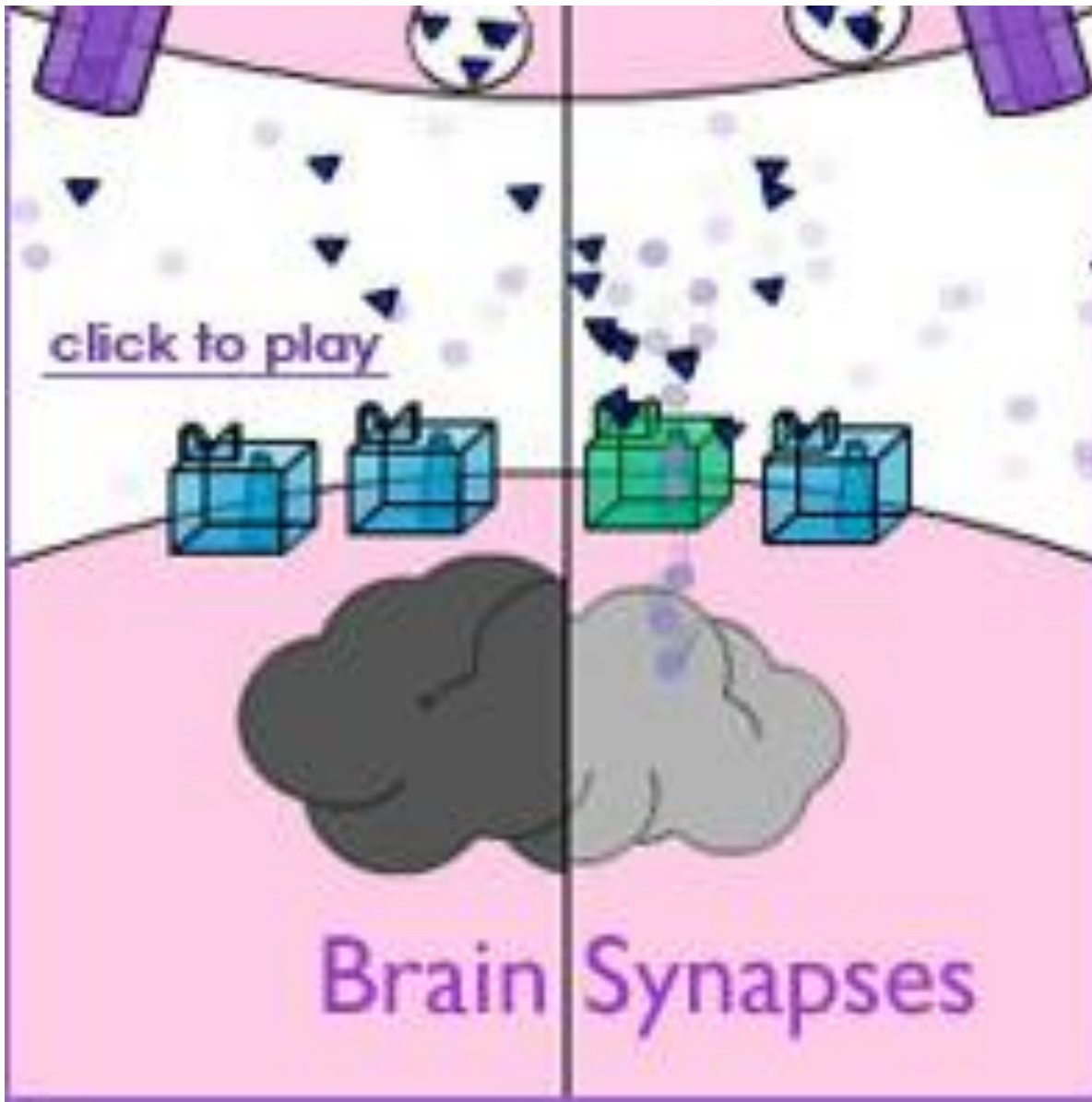
Each neuron is connected to other neurons by up to 40,000 individual connections (called synapses) between cells. Multiplying 100 billion neurons times 40,000 synapses is equivalent to the brain having more connections in it than there are stars in the universe.

[click to play](#)

Synaptic Transmission



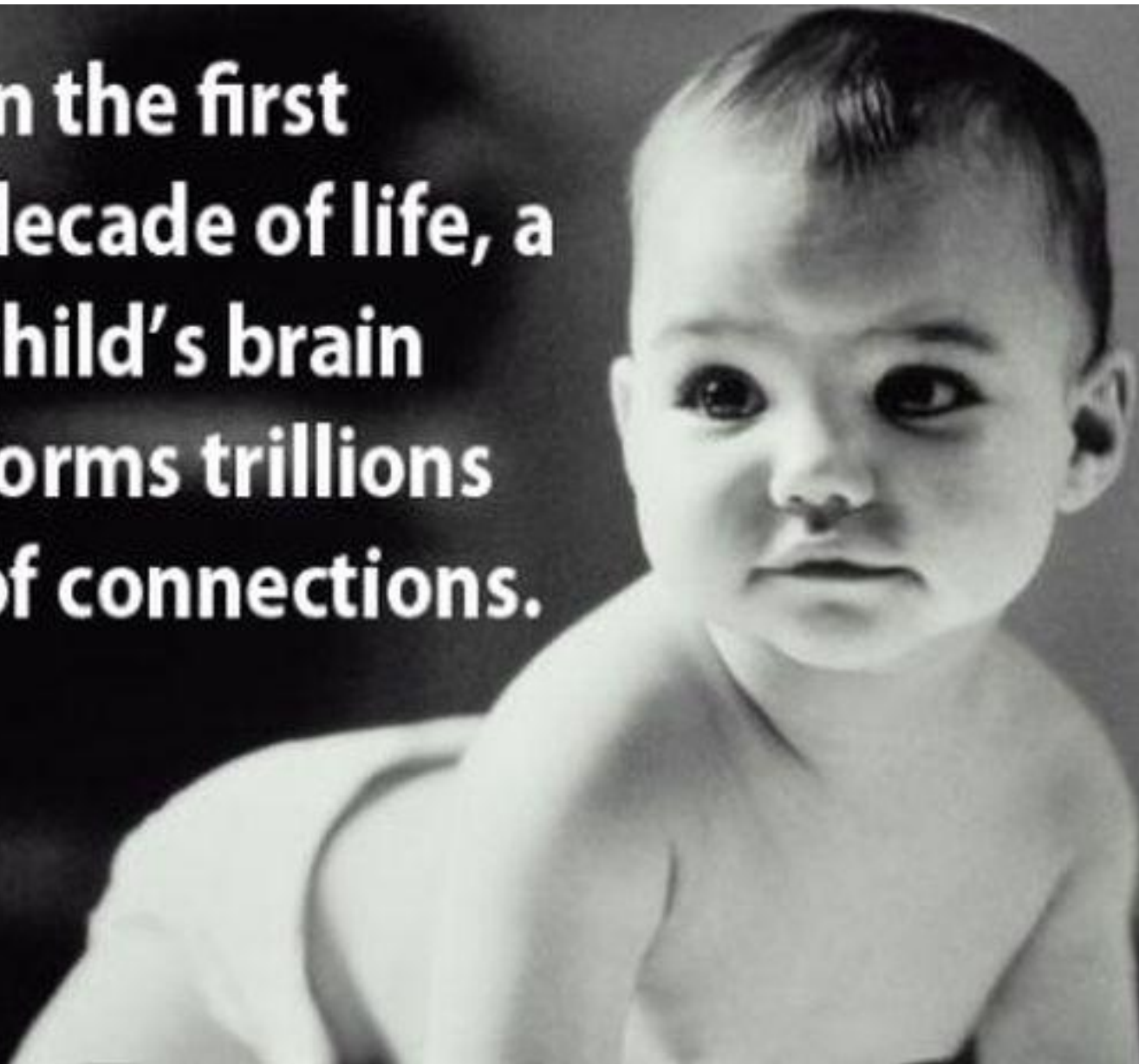
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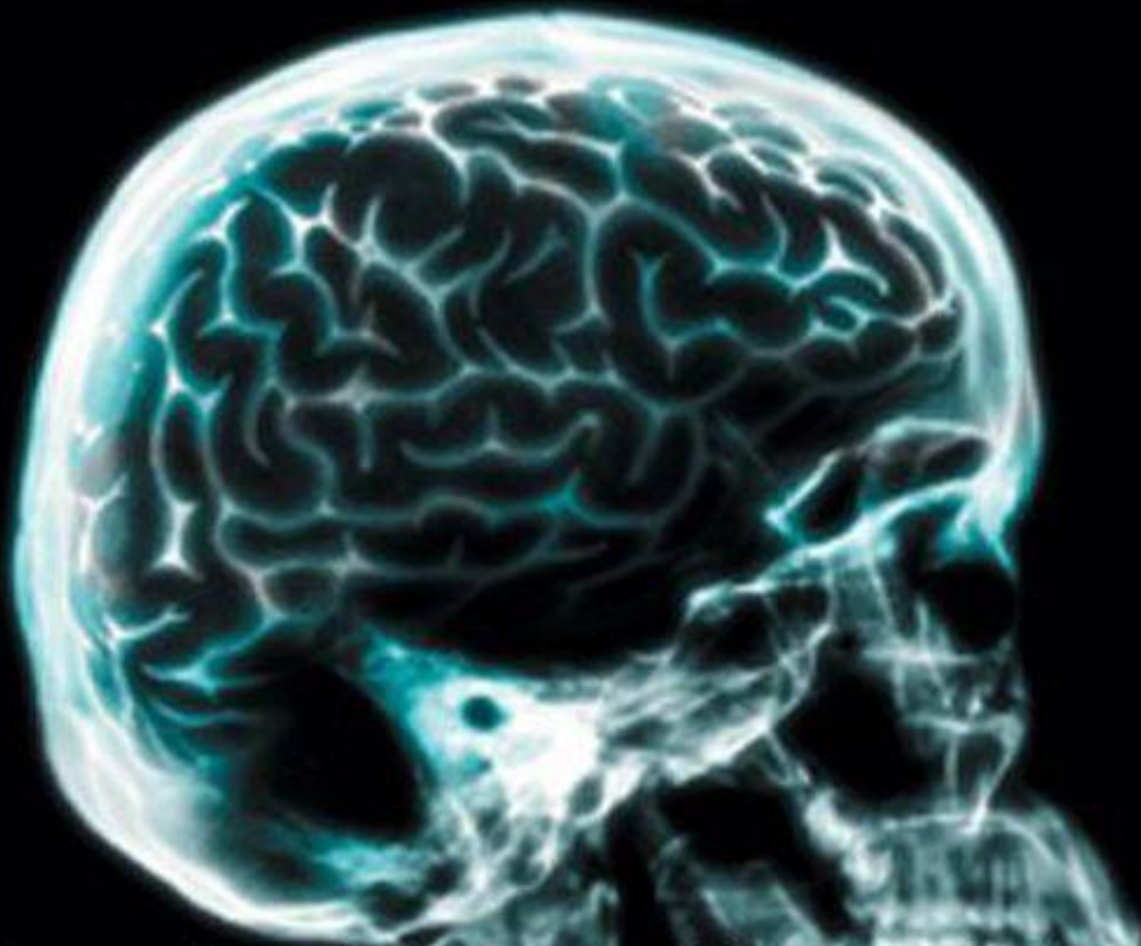
[CLICK HERE FOR DISEASES](#)

In the first decade of life, a child's brain forms trillions of connections.



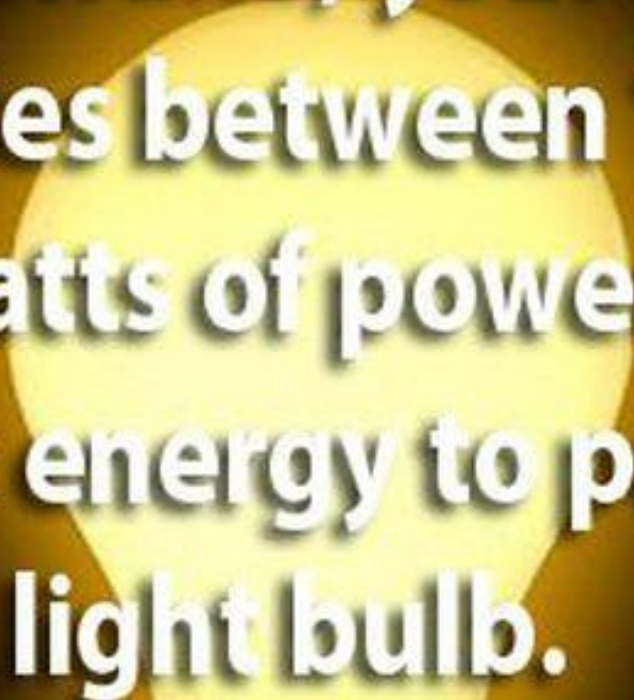


**The brain is made up of about 75%
water.**

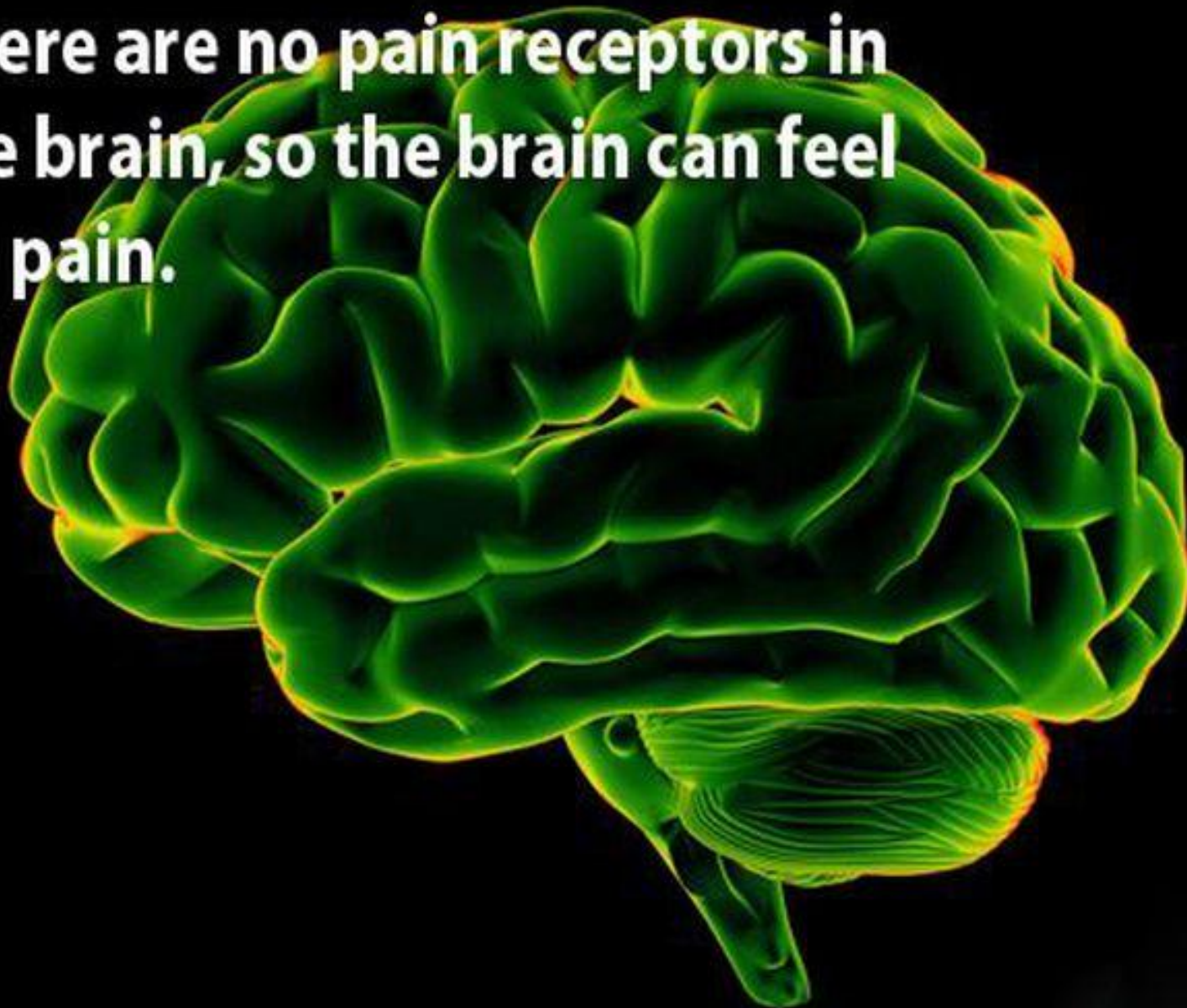


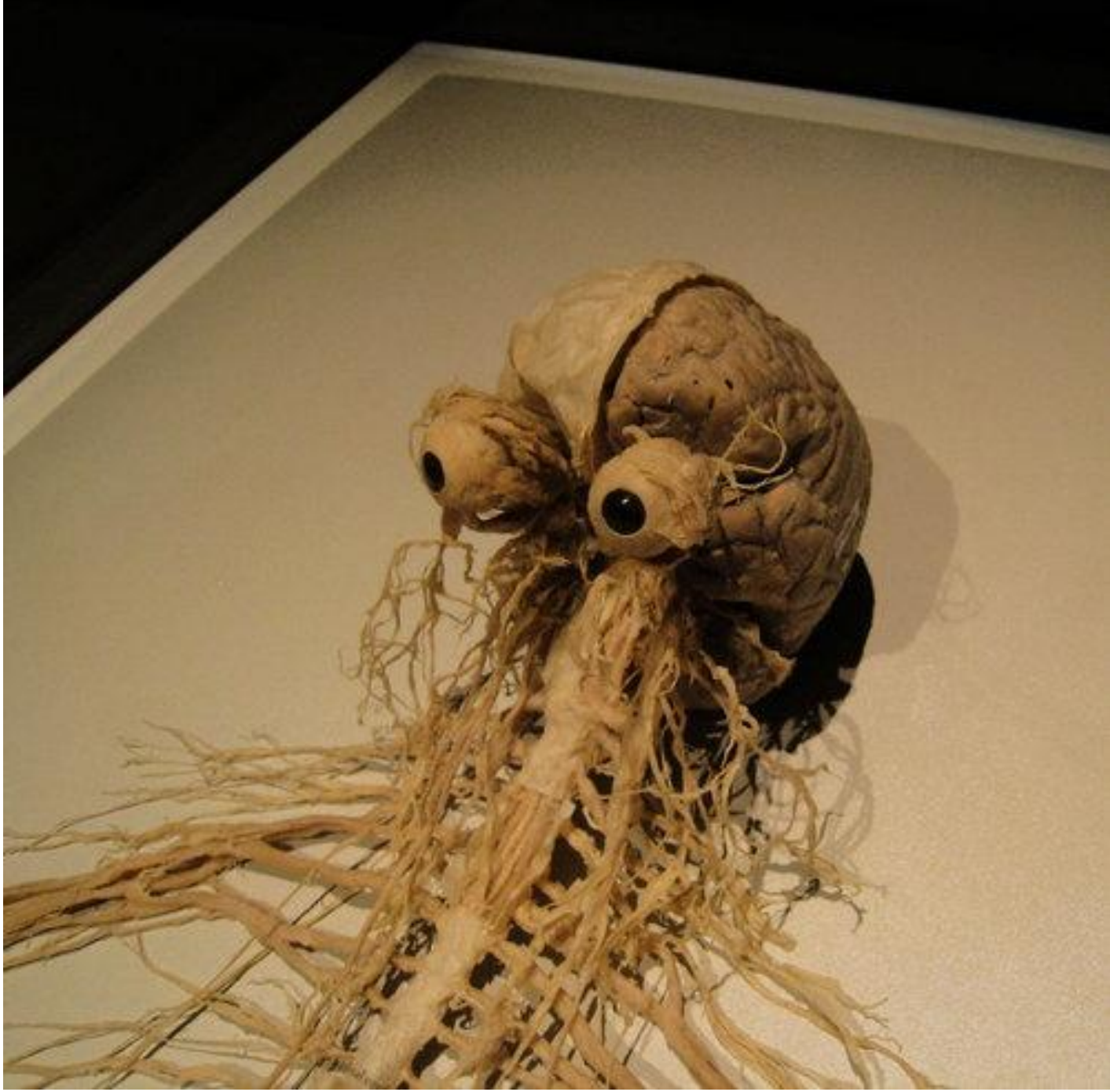
**Your brain uses 20% of the
total oxygen in your body.**

**While awake, your brain
generates between 10 and
23 watts of power—or
enough energy to power a
light bulb.**



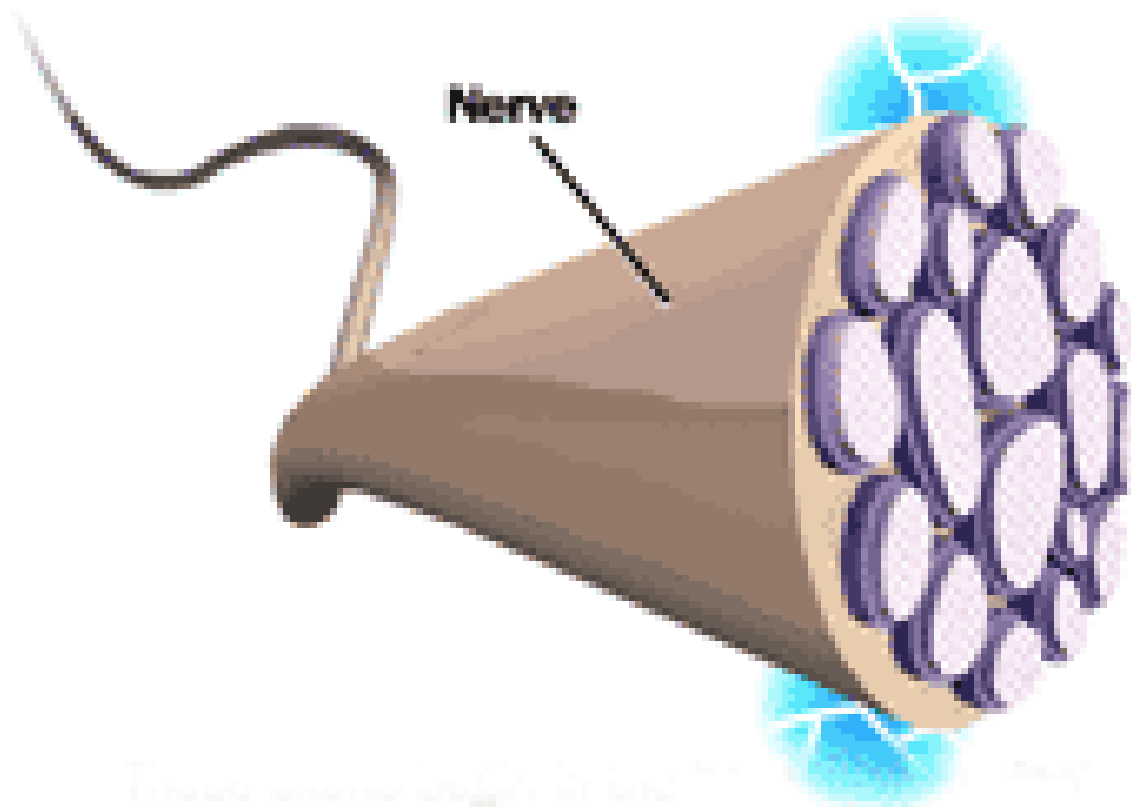
There are no pain receptors in the brain, so the brain can feel no pain.





[click to play](#)

Action Potential

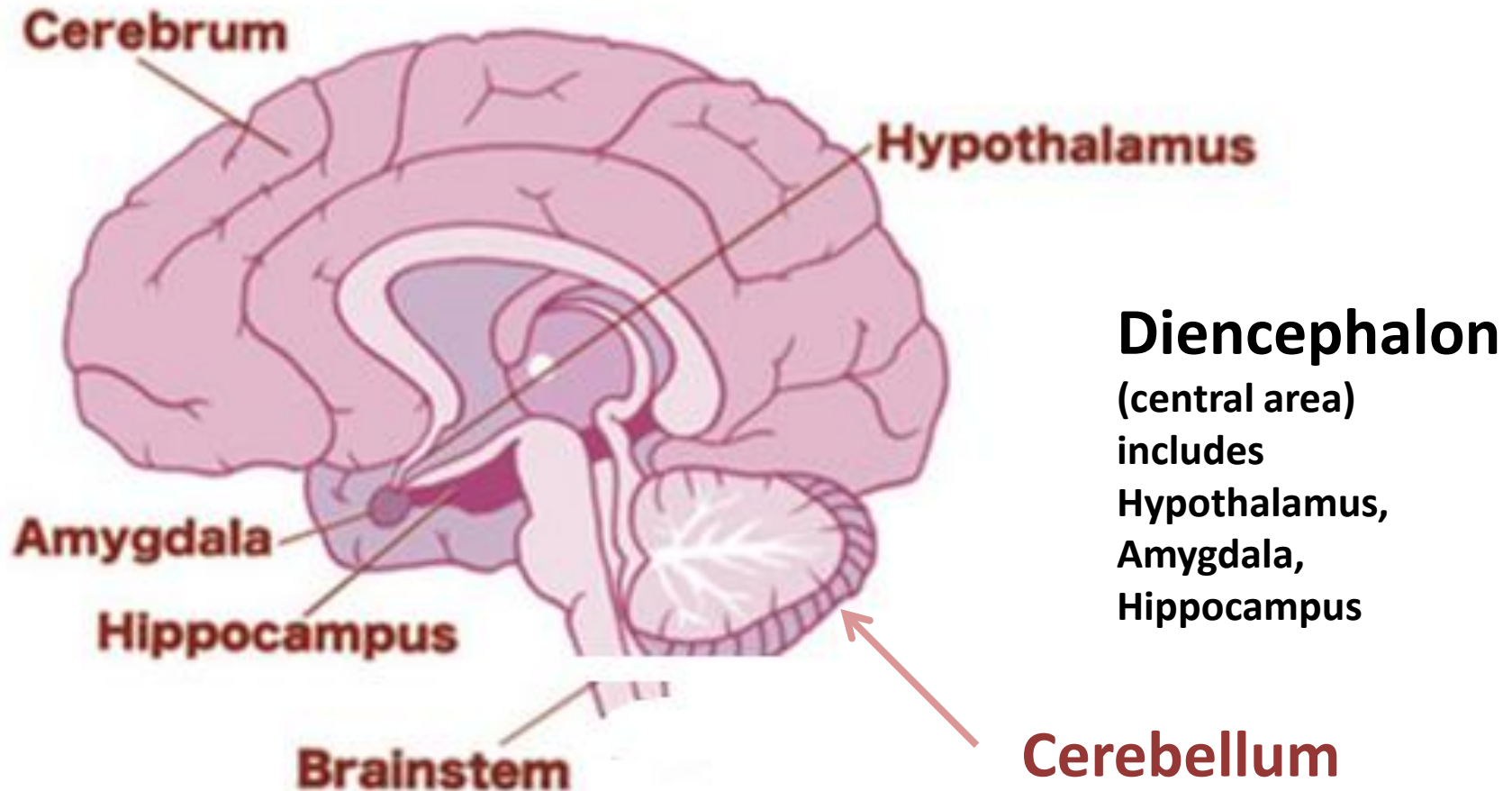


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**LET'S NOW LOOK AT THE
MARVELOUS DESIGN OF
THE FUNCTIONAL BRAIN**

- GOD'S SUPER COMPUTER

The human brain is divided into four separate sections - brain stem, cerebellum, diencephalon and cerebrum.



These 4 sections work together as a whole with the assistance of the spinal cord to control automatic operation, conscious communication with other areas of the body and the proper function of the body's vital organs

Brain Stem

The human brain stem is responsible for a significant number of vital bodily functions. It governs:

- certain reflexes
- blood pressure
- respiration
- the release of hormones:
 - adrenaline
 - noradrenaline
 - cortisol)
- this release takes place in the body during fight or flight response, i.e., the body's physiological reaction to extreme anxiety or fear.

The Cerebellum

- located behind and below the cerebrum
- is permanently affixed to the brain stem.
- Its chief responsibilities include:
 - coordination
 - motor function
 - the body's ability to interpret the stimulus sent to the brain by the various sensory organs such as the ears, nose and eyes.

The Diencephalon

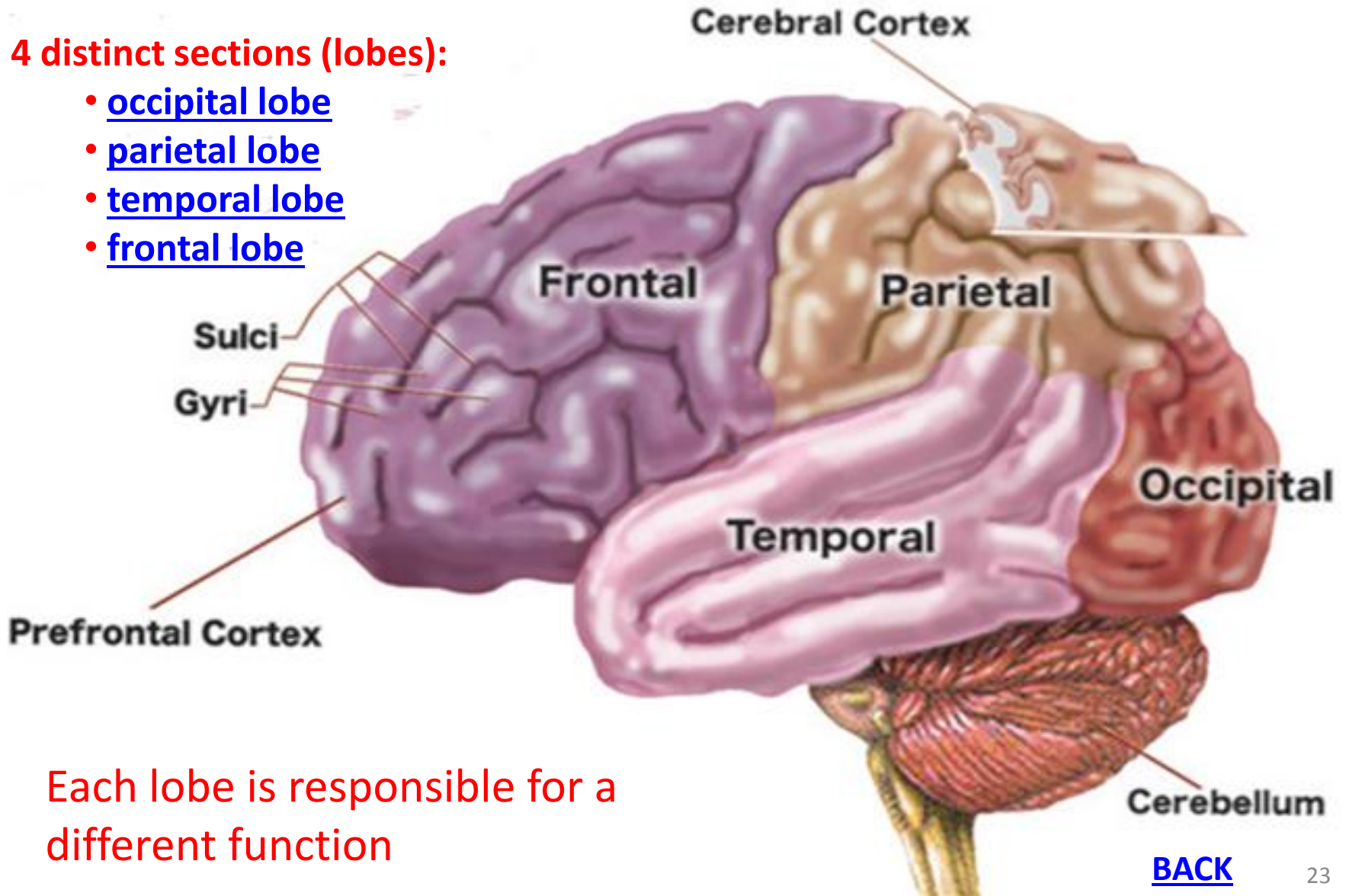
- located just above the brain stem inside the cerebrum.
- has a vast array of functions, including:
 - the regulation of sleep patterns
 - the regulation of appetite
 - various sensory functions.
- divided into several sections which play a role in metabolism and thyroid function such as:
 - epithalamus
 - thalamus
 - hypothalamus,

The Cerebrum

- the largest section of the human brain.
Responsible for speech, memory and emotional response and senses.

4 distinct sections (lobes):

- [occipital lobe](#)
- [parietal lobe](#)
- [temporal lobe](#)
- [frontal lobe](#)



Each lobe is responsible for a different function

Occipital Lobes

- the smallest set of lobes in the cerebrum
- located in the rearmost portion of the brain
- part of the cerebrum that:
 - contains the visual cortex
 - controls an individual's sight and reaction to light.

[Back](#)

Parietal Lobes

- located
 - behind the frontal lobes
 - above the occipital lobes.
- their role is to:
 - process information from various areas of the human body, specifically:
 - determining navigation
 - determining one's sense of space.
 - determine depth perception
 - sense the position of our body, regardless of whether the person's eyes are opened or closed.

Temporal Lobes

- located just above the occipital lobes and behind the frontal lobes.
- they play a vital role in:
 - the organization of thoughts and speech patterns,
 - auditory perception
 - sensory input
 - memory formation
 - the mastery of speech and language.
- The parietal lobes and the temporal lobes are approximately the same size.

Frontal Lobes

- The two frontal lobes make up the largest section of the cerebrum
- they are associated with:
 - personality
 - ability to reason.
- in addition, they control executive functions such:
 - thought patterns
 - planning
 - problem solving
 - control of one's emotions.

[Back](#)

FUNCTIONAL SUMMARY OF FOREGOING SLIDES

Functional Areas of the Brain¹

Motor Area

- control of voluntary muscles

Sensory Area

- skin sensations (temperature, pressure, pain)

Frontal Lobe

- movement
- problem solving
- concentrating, thinking
- behaviour, personality, mood

Broca's Area

- speech control

Temporal Lobe

- hearing
- language
- memory

Brain Stem

- consciousness
- breathing
- heart rate

Parietal Lobe

- sensations
- language
- perception
- body awareness
- attention

Occipital Lobe

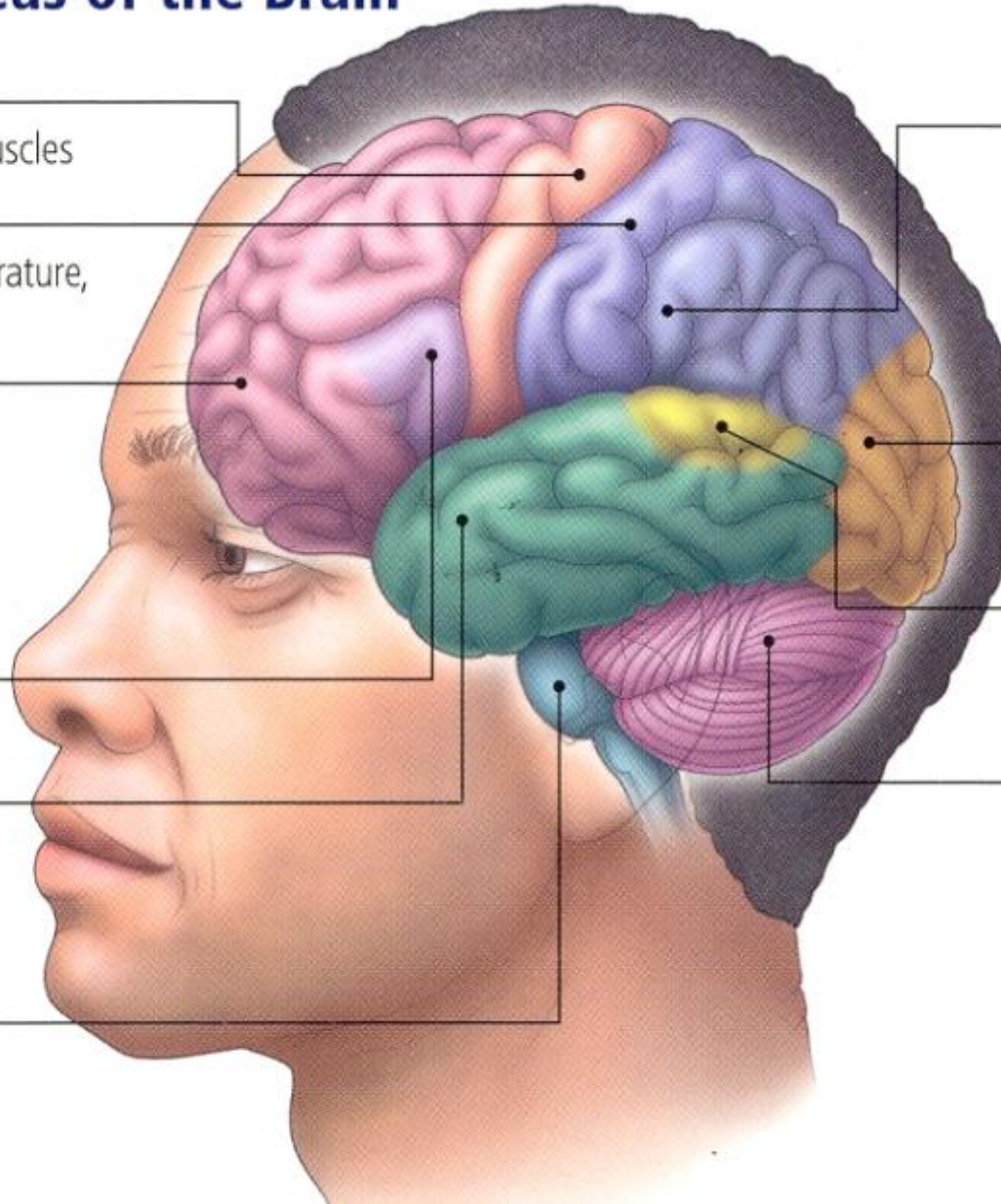
- vision
- perception

Wernicke's Area

- language comprehension

Cerebellum

- posture
- balance
- coordination of movement



The Protective Layers of the Brain

1. Physical

- several layers of defense to protect it from damage or harm.
 - the bones of the skull (cranium)
 - underneath the cranium is a series of strong and durable membranes called the meninges which:
 - cover both the spinal cord and brain.
 - contain a thick fluid, to cushion the brain and spinal cord.
- damage or harm can result from:
 - diseased
 - injured e.g skull-fracture
 - malfunctioning e.g rupturing of a blood vessel, malignancy
- all parts of the human brain must work together to create the seamless mental function experienced by most individuals on a daily basis.
- some conditions and illnesses can negatively affect brain function
- important to speak to a physician if troubling symptoms are present.

2. Spiritual (very important – which the world ignores)

THE REST OF THE PRESENTATION IS ALL ABOUT SCRIPTURE

- **MIND-BOGGLING**
- **FASCINATING**
- **EXPLORING THE MIND OF GOD**
- **LEARNING HOW TO DEVELOP A RIGHT MIND**
- **LEARNING HOW TO IDENTIFY AND AVOID A WRONG (REPROBATE) MIND**
- **ONLY LEARNING WHAT WORKS, AS GOD DESIGNED AND INTENDED**

There is no reference to the word “brain” in the Bible.

What words does God use instead?

Mind? – 95 times (35 OT, 8 Gospels, 48 rest of NT)

Heart?

Soul?

Will?

Emotions?

Wisdom, understanding, knowledge

Thoughts?

Think?

Imagination? – note relationship to “images”

Vision?

HUMAN MIND IN THE OT

Deu 28:65 (KJV) ... but the LORD shall give thee there a trembling heart, and failing of eyes, and **sorrow of mind**:

1Ch 28:9 (KJV) ... And thou, Solomon my son, know thou the God of thy father, and serve him with a perfect heart and with a **willing mind** ...

Pro 21:27 (KJV) The sacrifice of the wicked *is abomination: how much more, when he bringeth it with a **wicked mind**?*

Isa 26:3 (KJV) Thou wilt keep *him in perfect peace, **whose mind is stayed on thee** ...*

Isa 46:8 (KJV) Remember this, and shew yourselves men: **bring it again to mind** ...

Isa 65:17 (KJV) For, behold, I create new heavens and a new earth: and the former shall not be remembered, **nor come into mind**.

Jer 3:16 (KJV) And it shall come to pass, when ye be multiplied and increased in the land, in those days, saith the LORD, they shall say no more, The **ark of the covenant** of the LORD: **neither shall it come to mind: neither shall they remember it**; neither shall they visit *it; neither shall that be done any more.*

Lam 3:21 (KJV) This I **recall to my mind**, therefore have I hope.

Eze 38:10 (KJV) Thus saith the Lord GOD; It shall also come to pass, *that at the same time shall **things come into thy mind**, and thou shalt think an evil thought:*

Dan 5:20 (KJV) But when his heart was lifted up, and his **mind hardened in pride** ..

MANS THOUGHTS - OT?

Gen 6:5 (KJV) And GOD saw that the wickedness of man *was great in the earth, and that every **imagination of the thoughts of his heart** was only evil continually.*

1Ch 28:9 (KJV) ... for the LORD searcheth all hearts, and understandeth all the **imaginings of the thoughts** ... (that phrase repeated often throughout scripture)

Job 4:13 (KJV) In **thoughts from the visions** of the night, when deep sleep falleth on men,

Job 17:11 (KJV) My days are past, my purposes are broken off, *even the **thoughts of my heart.***

Job 21:27 (KJV) Behold, **I know your thoughts**, and the devices *which ye **wrongfully imagine** against me.*

Psa 56:5 (KJV) Every day they wrest my words: **all their thoughts are against me for evil.**

Psa 94:11 (KJV) The LORD **knoweth the thoughts of man**, that they *are **vanity.***

Psa 94:19 (KJV) In the **multitude of my thoughts** within me thy comforts **delight my soul.**

Psa 139:23 (KJV) Search me, O God, and **know my heart**: try me, and **know my thoughts**:

Dan 12:4 (KJV) But thou, O Daniel, shut up the words, and seal the book, *even to the time of the end: many shall run to and fro, and knowledge shall be increased.*

Psa 94:19 (KJV) In the **multitude of my thoughts** within me thy comforts delight my soul.

Pro 2:6 (KJV) For the LORD **giveth wisdom**: out of his mouth *cometh knowledge and understanding.*

Pro 4:7 **Wisdom is the principal thing**; therefore, get wisdom; and with all thy getting, get understanding.

Pro 9:10 (KJV) The fear of the LORD *is the beginning of wisdom: and the knowledge of the holy is understanding.*

Jer 6:19 (KJV) Hear, O earth: behold, I will bring evil upon this people, *even the fruit of their thoughts, because they have not hearkened unto my words, nor to my law, but rejected it.*

HUMAN MIND IN THE GOSPELS & ACTS

Mat 22:37 (KJV) Jesus said unto him, Thou shalt **love** the Lord thy God with all thy **heart**, and with all thy soul, and **with all thy mind**.

Mar 5:15 (KJV) And they come to Jesus, and see him that was possessed with the devil, and had the legion, sitting, and clothed, and **in his right mind**: and they were afraid.

Mar 14:72 (KJV) And the second time the cock crew. And Peter **called to mind** the word that Jesus said unto him, Before the cock crow twice, thou shalt deny me thrice. And when he thought thereon, he wept.

Luk 12:29 (KJV) And seek not ye what ye shall eat, or what ye shall drink, neither be ye of **doubtful mind**.

Act 17:11 (KJV) These were more noble than those in Thessalonica, in that they received the word with all **readiness of mind**, and searched the scriptures daily, whether those things were so.

Act 20:19 (KJV) Serving the Lord with all **humility of mind**, and with many tears, and temptations, which befell me by the lying in wait of the Jews:

HUMAN MIND IN ROMANS

Rom 1:28 (KJV) And even as they did not like to retain God in *their knowledge*, **God gave them over to a reprobate mind**, to do those things which are not convenient;

Rom 7:23 (KJV) But I see another law in my members, warring against **the law of my mind**, and bringing me into captivity to the law of sin which is in my members.

Rom 8:5 (KJV) For they that are after the flesh do **mind** the things of the flesh; but they that are after the Spirit the things of the Spirit.

Rom 8:7 (KJV) Because **the carnal mind is enmity against God**: for it is not subject to the law of God, neither indeed can be.

Rom 12:2 (KJV) And be not conformed to this world: but **be ye transformed by the renewing of your mind**, that ye may prove what *is that good, and acceptable, and perfect, will of God*.

Rom 12:16 (KJV) **Be of the same mind** one toward another. *Mind not high things, but condescend to men of low estate. Be not wise in your own conceits.*

Rom 14:5 (KJV) One man esteemeth one day above another: another esteemeth every day alike. *Let every man be fully persuaded in his own mind.*

Rom 15:6 (KJV) That ye may **with one mind and one mouth glorify God**, even the *Father of our Lord Jesus Christ*.

Rom 15:15 (KJV) Nevertheless, brethren, I have written the more boldly unto you in some sort, as **putting you in mind**, because of the grace that is given to me of God,

HUMAN MIND IN REST OF NT

2Co 7:7 (KJV) ... your **fervent mind toward me** ...

2Co 8:12 (KJV) For if there be first a **willing mind** ...

2Co 8:19 (KJV) ... *and declaration of your **ready mind***:

2Co 9:2 (KJV) For I know **the forwardness of your mind** ...

2Co 13:11 (KJV) **be of one mind** ...

Eph 2:3 (KJV) ... in times past in the lusts of our flesh, fulfilling the desires of the flesh **and of the mind**; and were by nature the children of wrath, even as others.

Eph 4:17 (KJV) .. walk not as other Gentiles walk, **in the vanity of their mind**,

Eph 4:23 (KJV) And be renewed **in the spirit of your mind**;

Php 1:27 (KJV) ... that ye **stand fast in one spirit, with one mind** striving together ...

Php 2:2 (KJV) ... be likeminded, having the same love, *being of one accord, of **one mind***.

Php 2:3 (KJV) *Let nothing be done through strife or vainglory; but **in lowliness of mind*** ..

Php 2:5 (KJV) **Let this mind be in you, which was also in Christ Jesus**:

Php 3:19 (KJV) Whose end *is destruction who **mind earthly things***.

Col 1:21 (KJV) ... **enemies in your mind** by wicked works ..

Col 2:18 (KJV) ... vainly puffed up by **his fleshly mind**,

Col 3:12 (KJV) Put on **humbleness of mind**, meekness, longsuffering;

Continued next page

2Ti 1:7 (KJV) For God hath not given us the spirit of fear; but of power, and of love, and of a **sound mind**.

Tit 1:15 (KJV) Unto the pure all things *are pure: but unto them that are defiled and unbelieving is nothing pure; but **even their mind and conscience is defiled.***

Heb 8:10 (KJV) For this *is the covenant that I will make with the house of Israel after those days, saith the Lord; **I will put my laws into their mind, and write them in their hearts:** and I will be to them a God, and they shall be to me a people:*

1Pe 1:13 (KJV) Wherefore gird up the **loins of your mind**, be sober, and hope to the end for the grace that is to be brought unto you at the revelation of Jesus Christ;

1Pe 5:2 (KJV) Feed the flock of God which is among you, taking the oversight *thereof, not by constraint, but willingly; not for filthy lucre, but of a **ready mind;***

Rev 17:9 (KJV) And here *is the **mind which hath wisdom.** The seven heads are seven mountains, on which the woman sitteth.*

Rev 17:13 (KJV) These have **one mind**, and shall give their power and strength unto the beast.

MANS THOUGHTS – NT

Mat 15:19 (KJV) For **out of the heart proceed evil thoughts**, murders, adulteries, fornications, thefts, false witness, blasphemies:

Eph 4:24 (KJV) And that ye put on the **new man**, which after God is created in righteousness and true holiness.

Col 3:10 (KJV) And have put on the **new man, which is renewed in knowledge** after the image of him that created him:

Eph 4:14 (KJV) That we *henceforth be no more children, **tossed to and fro, and carried about with every wind of doctrine**, by the sleight of men, and cunning craftiness, whereby they lie in wait to deceive;*

DOES GOD HAVE A MIND?

Lev 24:12 (KJV) And they put him in ward, that **the mind of the LORD** might be shewed them.

Num 16:28 (KJV) And Moses said, Hereby ye shall know that the LORD hath sent me to do all these works; for ***I have not done them of mine own mind.***

1Sa 2:35 (KJV) And I will raise me up a faithful priest, *that shall do according to that which is **in mine heart and in my mind** ...*

Jer 15:1 (KJV) Then said the LORD unto me, Though Moses and Samuel stood before me, yet ***my mind*** could not be toward this people: *cast them out of my sight, and let them go forth.*

Jer 19:5 (KJV) They have built also the high places of Baal, to burn their sons with fire *for burnt offerings unto Baal, which I commanded not, nor spake it, **neither came it into my mind:***

Rom 8:27 (KJV) And he that searcheth the hearts knoweth what *is **the mind of the Spirit**, because he maketh intercession for the saints according to the will of God.*

Rom 11:34 (KJV) For who hath known **the mind of the Lord**? or who hath been his counsellor?

1Co 2:16 (KJV) For who hath known **the mind of the Lord**, that he may instruct him? But we have **the mind of Christ.**

GOD'S THOUGHTS

Psa 40:5 (KJV) Many, O LORD my God, *are thy wonderful works which thou hast done, **and thy thoughts** which are to us-ward: they cannot be reckoned up in order unto thee: if I would declare and speak of them, **they are more than can be numbered.***

Psa 92:5 (KJV) O LORD, how great are thy works! *and **thy thoughts are very deep.***

Isa 55:8 (KJV) For **my thoughts are not your thoughts**, *neither are your ways my ways, saith the LORD.*

Jer 23:20 (KJV) The anger of the LORD shall not return, until he have executed, and till he have performed **the thoughts of his heart**: in the latter days ye shall consider it perfectly.

Isa 55:9 (KJV) For *as the heavens are **higher** than the earth, so are my ways higher than your ways, and **my thoughts than your thoughts.***

Mat 9:4 (KJV) And Jesus **knowing their thoughts** said, Wherefore **think ye evil in your hearts?**

Mat 12:25 (KJV) And Jesus **knew their thoughts**, and said unto them, Every kingdom divided against itself ...

Luk 5:22 (KJV) But when Jesus **perceived their thoughts**, he answering said unto them, What reason ye **in your hearts?**

Heb 4:12 (KJV) For the word of God *is quick, and powerful, and sharper than any twoedged sword, piercing even to the dividing asunder of soul and spirit, and of the joints and marrow, and **is a discerner of the thoughts and intents of the heart.***

Luk 24:45 Then **he opened their minds** so they could understand the Scriptures (NIV)

Luk 24:45 Then opened He their understanding, that they might understand the scriptures (KJV)

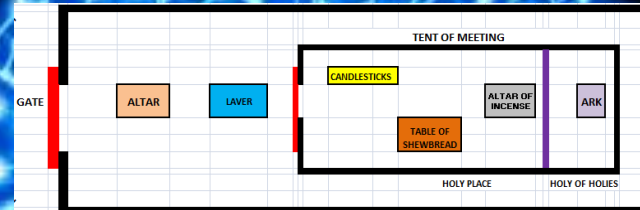


***Does Jesus have
the power to read
minds and
influence minds?***

Eze 11:5 (KJV) And the Spirit of the LORD fell upon me, and said unto me, Speak; Thus saith the LORD; Thus have ye said, O house of Israel: for **I know the things that come into your mind, every one of them.**

CONCLUSION

THE TABERBACLE IN THE MIND

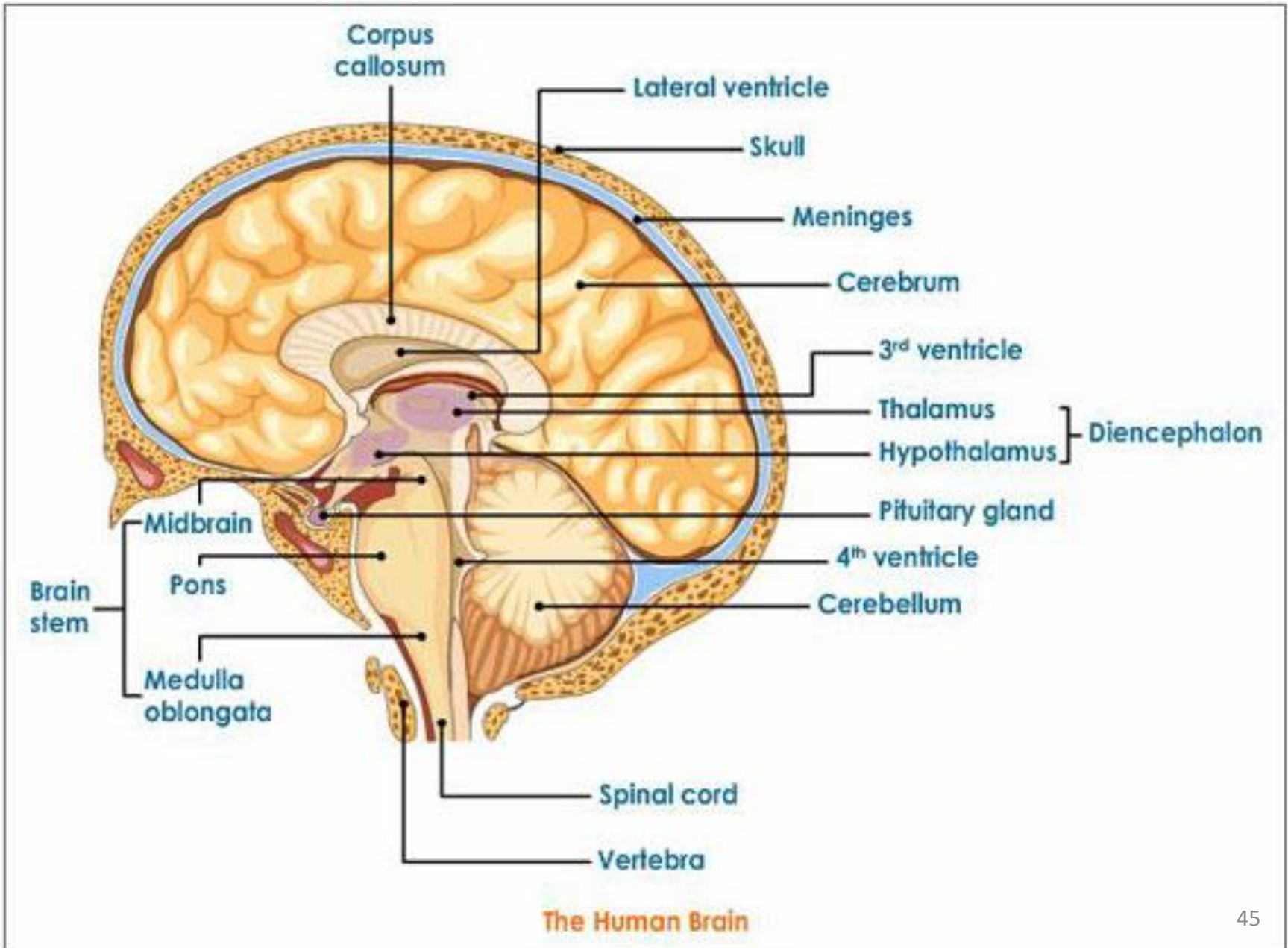


- **strategy** (clear understanding of God's plan for humanity & individuals)
- **approach** (approaching God for leadership, learning, worship, prayer)
- **communing and connecting with God**
- **a critical role**
 - central place while camped
 - leading place for movement and war
 - for finding the way, truth ("right mind") and life
 - for managing the thought life

APPENDICES

- THE BRAIN
 - DETAILED MAP
 - 3D MODEL
 - POPULAR CONCEPTIONS OF LEFT & RIGHT BRAIN USE
- WHAT PARTS OF THE BRAIN ARE USED FOR LEARNING
- MASSIVE GOVERNMENT PROJECTS
- BRAIN HUMOUR
- THE PRIMACY OF WISDOM

AN OVERALL ANATOMICAL VIEW OF THE HUMAN BRAIN

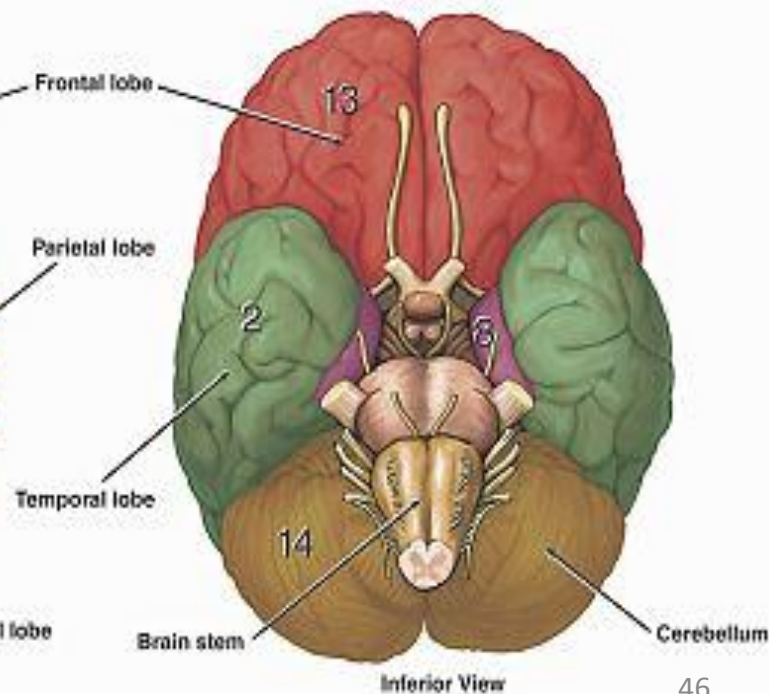
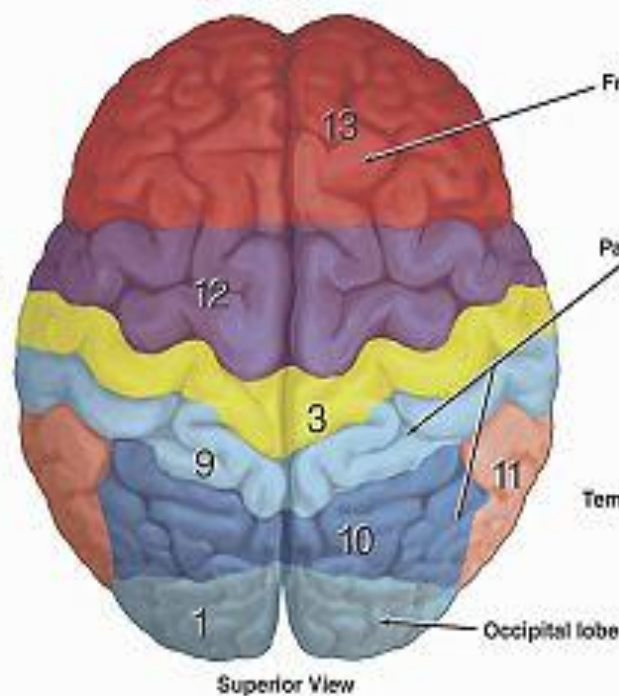
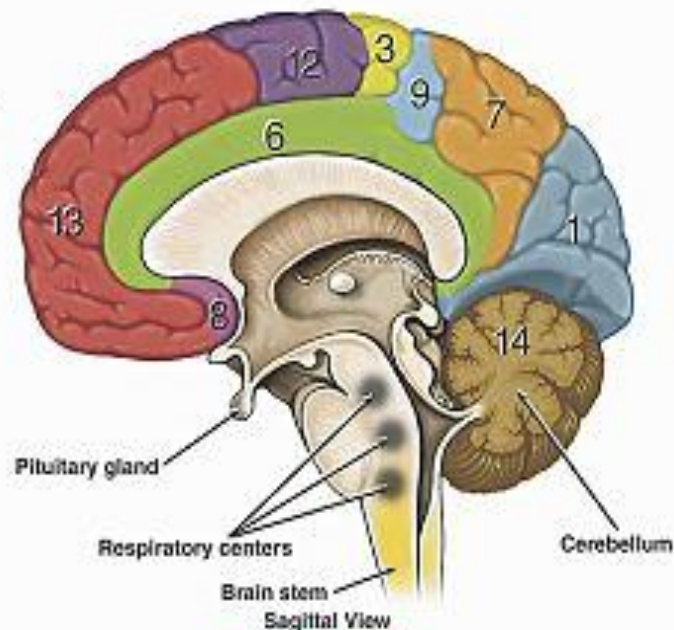
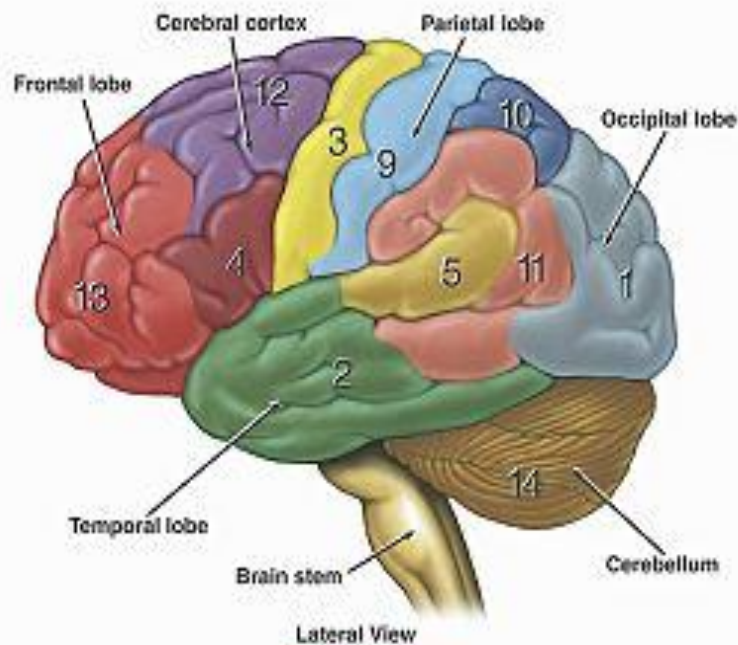


Functional Areas of the Cerebral Cortex

- 1 **Visual Area:**
Sight
Image recognition
Image perception
- 2 **Association Area**
Short-term memory
Equilibrium
Emotion
- 3 **Motor Function Area**
Initiation of voluntary muscles
- 4 **Broca's Area**
Muscles of speech
- 5 **Auditory Area**
Hearing
- 6 **Emotional Area**
Pain
Hunger
"Fight or flight" response
- 7 **Sensory Association Area**
- 8 **Olfactory Area**
Smelling
- 9 **Sensory Area**
Sensation from muscles and skin
- 10 **Somatosensory Association Area**
Evaluation of weight, texture, temperature, etc. for object recognition
- 11 **Wernicke's Area**
Written and spoken language comprehension
- 12 **Motor Function Area**
Eye movement and orientation
- 13 **Higher Mental Functions**
Concentration
Planning
Judgment
Emotional expression
Creativity
Inhibition

Functional Areas of the Cerebellum

- 14 **Motor Functions**
Coordination of movement
Balance and equilibrium
Posture



Functional Areas of the Cerebral Cortex

1

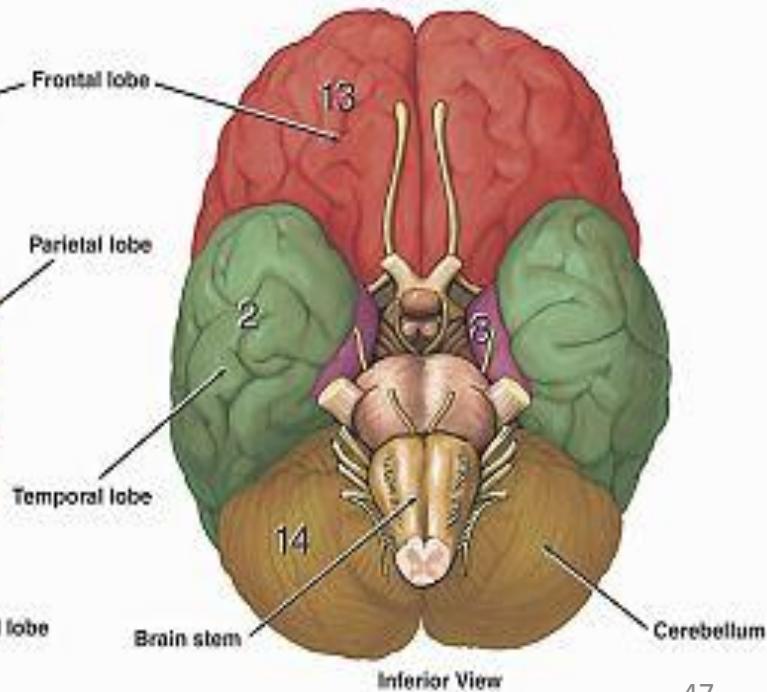
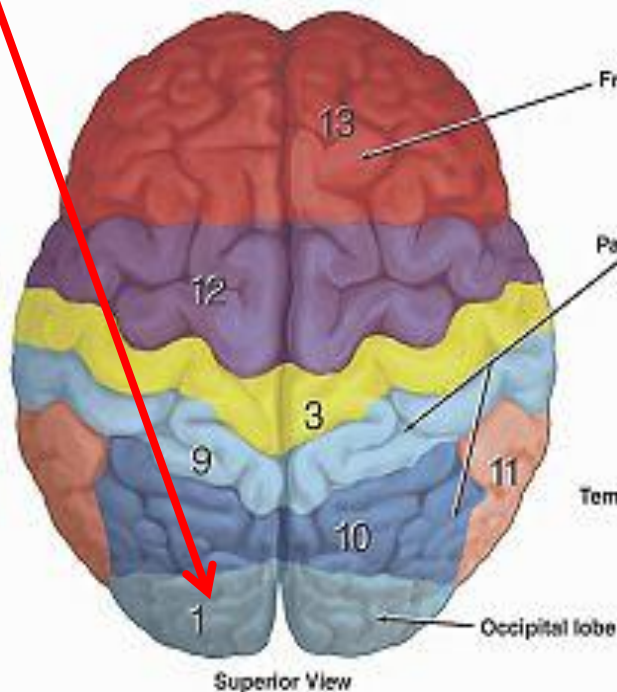
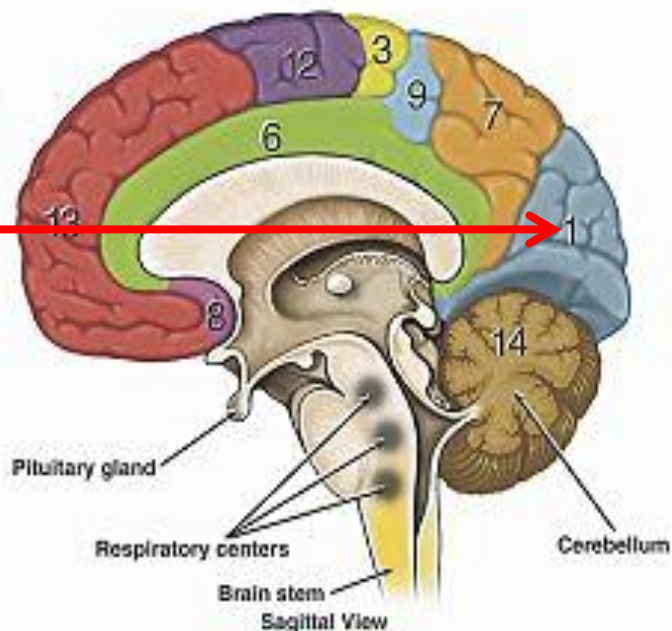
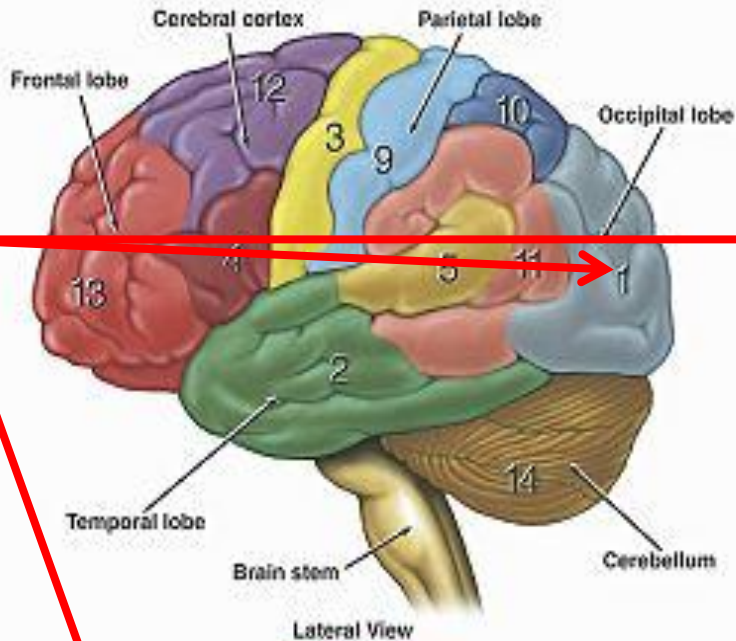
Visual Area:
Sight
Image recognition
Image perception

1. VISUAL AREA

Sight

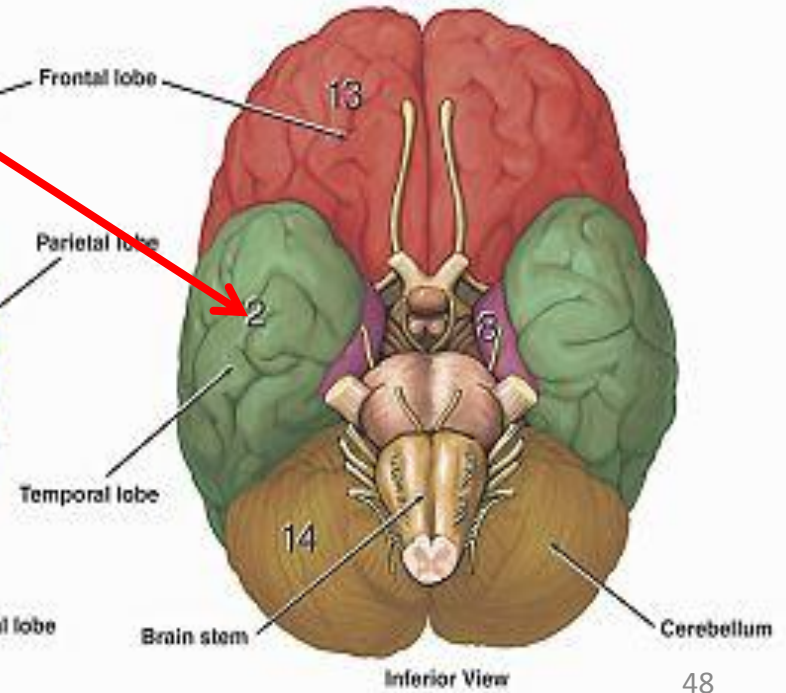
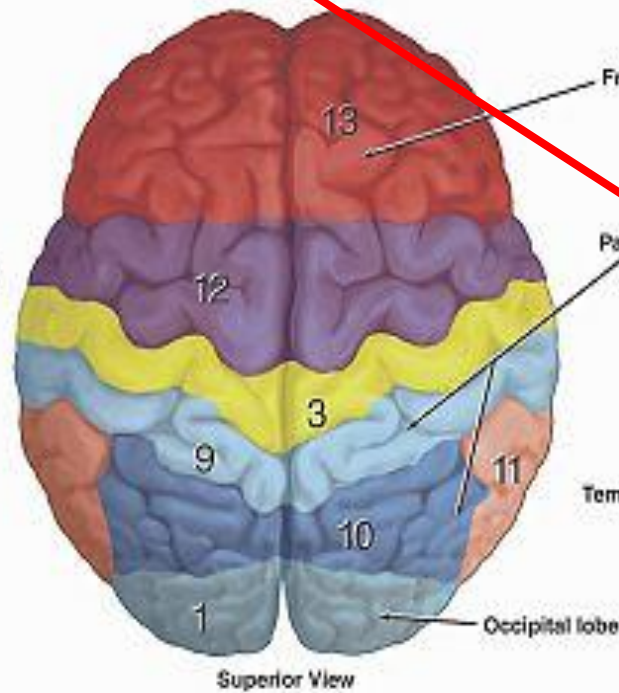
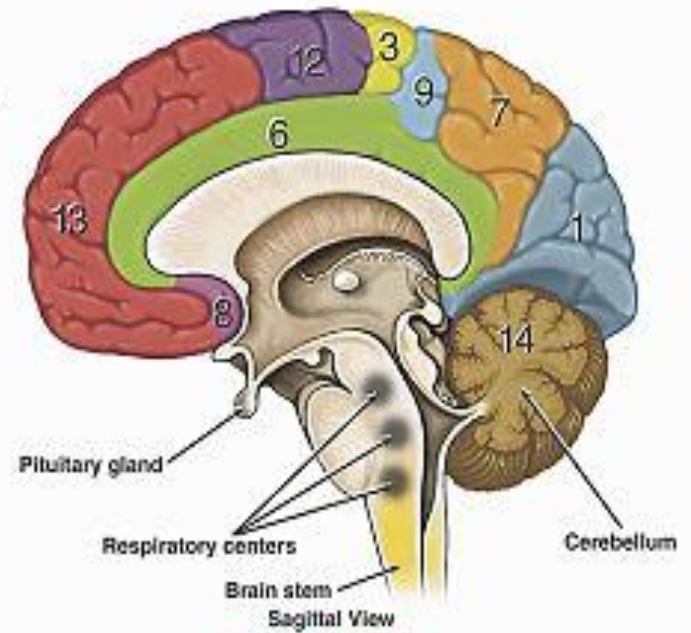
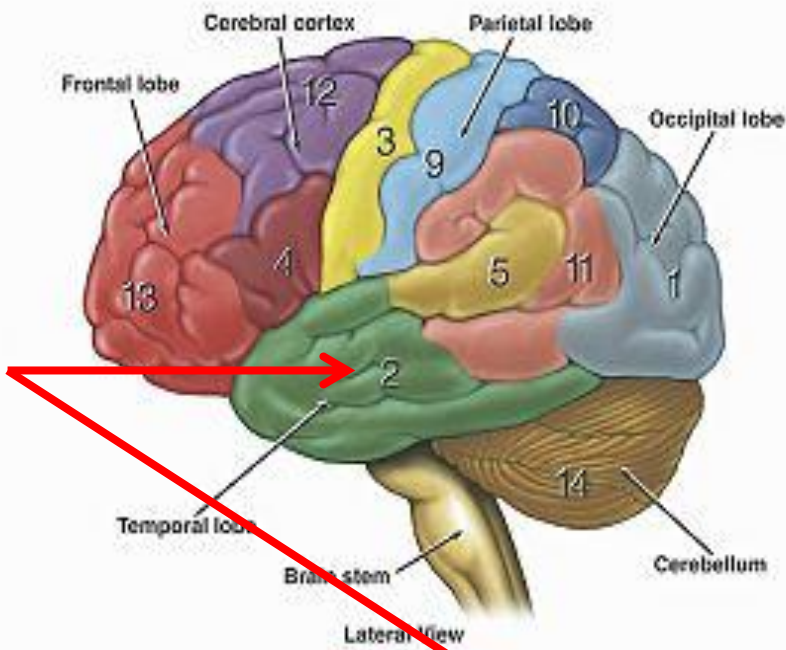
Image
recognition

Image
perception



Functional Areas of the Cerebral Cortex

- 1 **Visual Area:**
Sight
Image recognition
Image perception
- 2 **Association Area:**
Short-term memory
Equilibrium
Emotion



2. ASSOCIATION AREA

Short term memory

Equilibrium

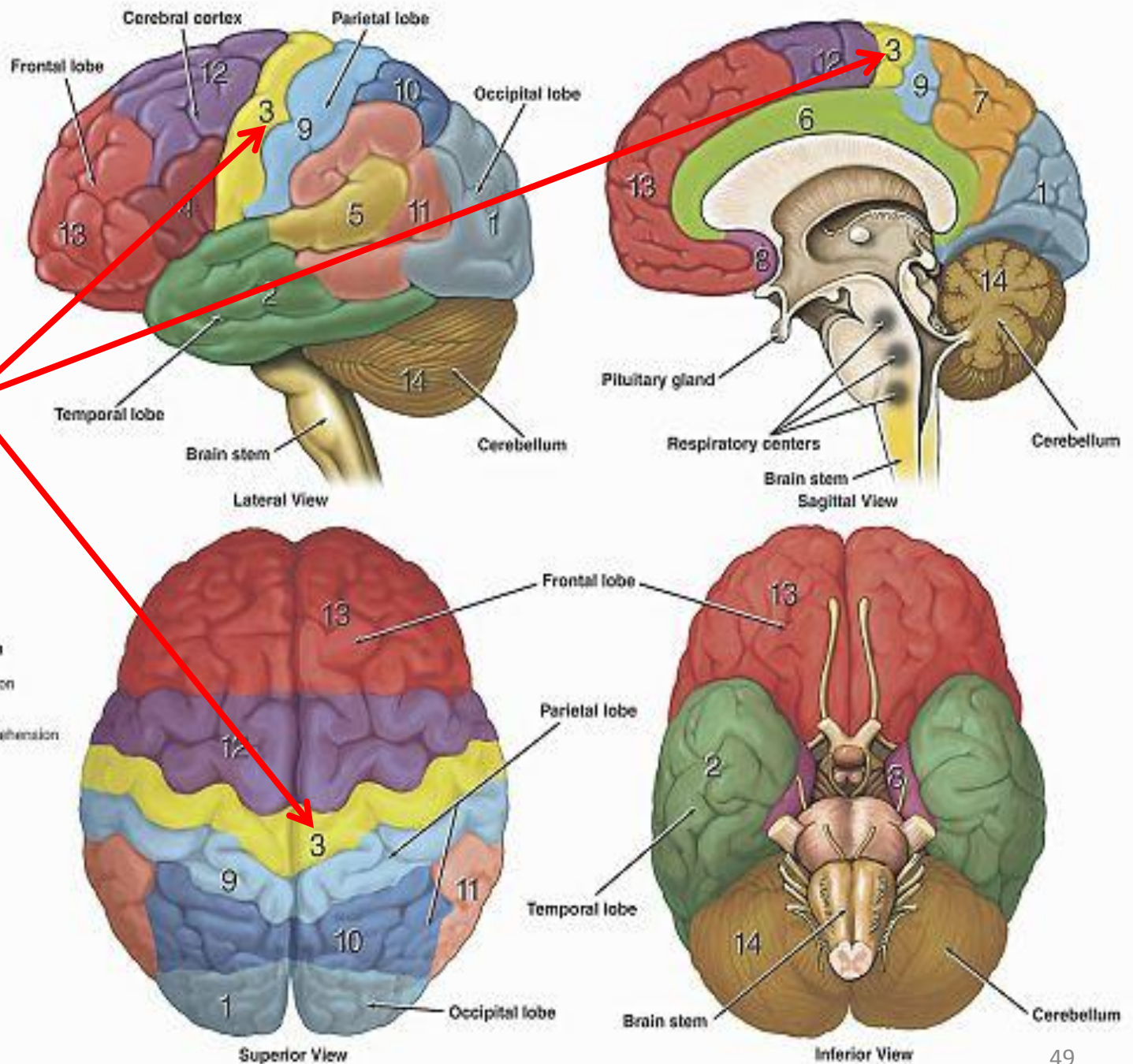
Emotion

Functional Areas of the Cerebral Cortex

- 1 **Visual Area:**
Sight
Image recognition
Image perception
- 2 **Association Area**
Short-term memory
Equilibrium
Emotion
- 3 **Motor Function Area**
Initiation of voluntary muscles

3. MOTOR FUNCTION AREA

Initiation of voluntary muscles

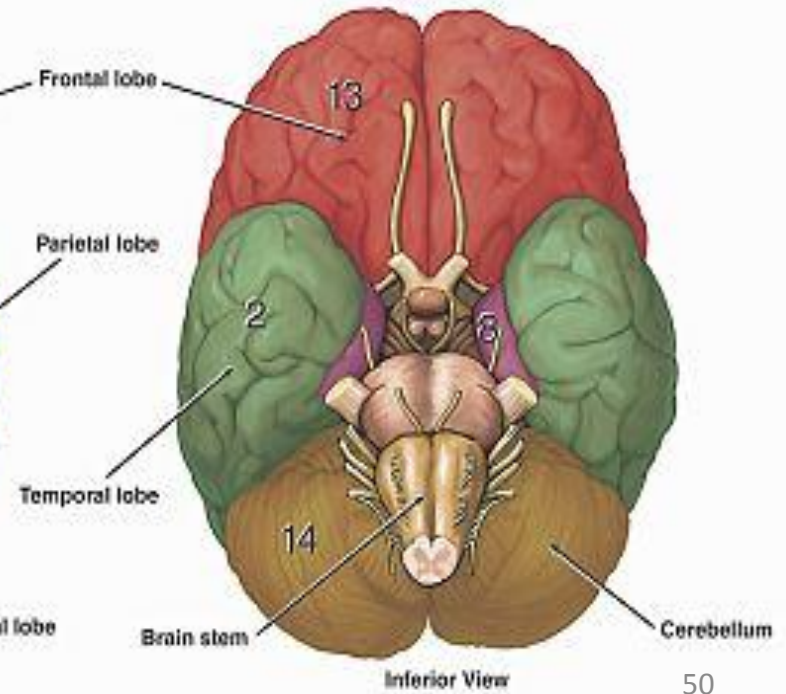
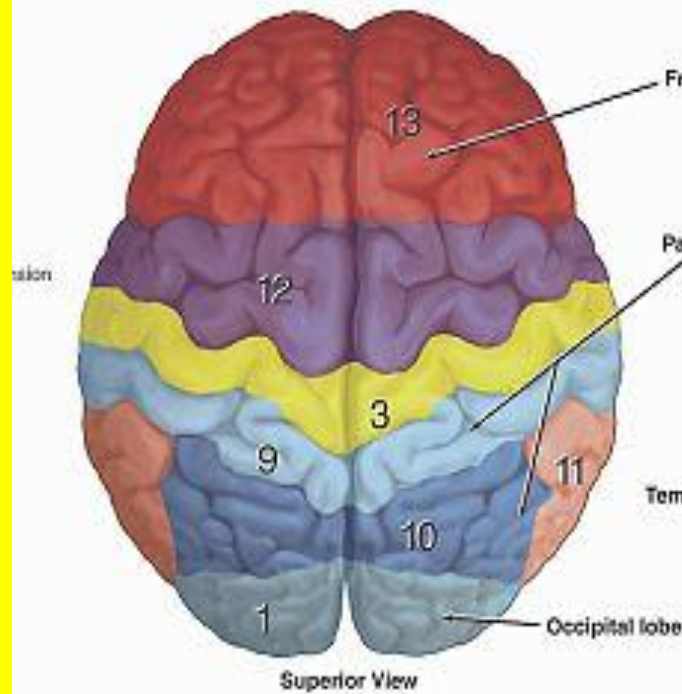
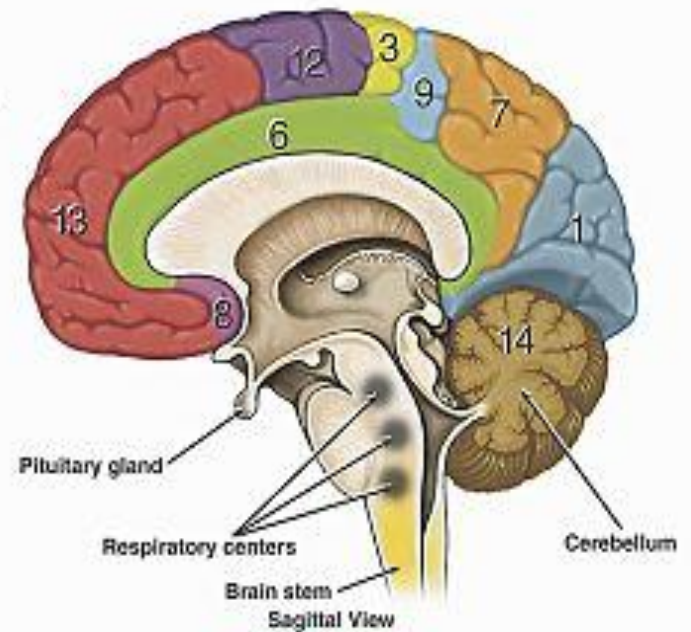
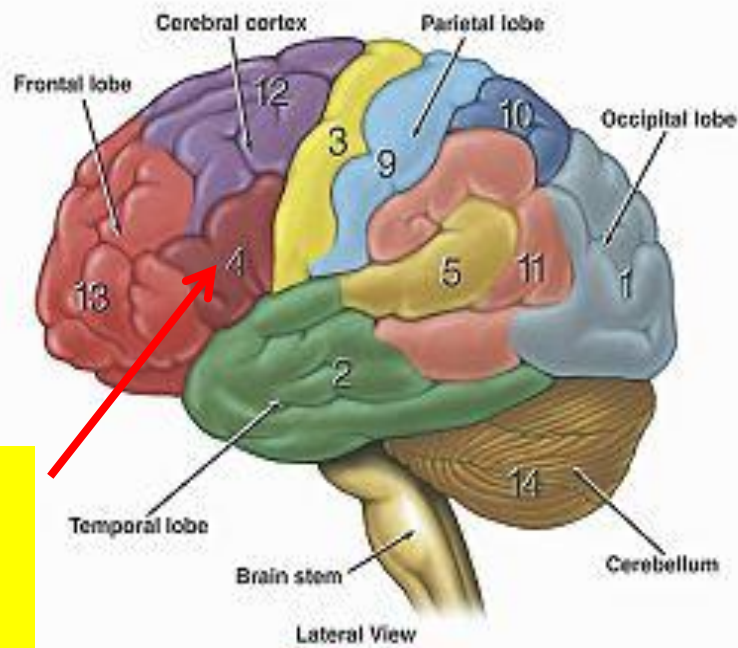


Functional Areas of the Cerebral Cortex

- 1 **Visual Area:**
Sight
Image recognition
Image perception
- 2 **Association Area:**
Short-term memory
Equilibrium
Emotion
- 3 **Motor Function Area:**
Initiation of voluntary muscles
- 4 **Broca's Area:**
Muscles of speech

4. BROCA'S AREA

Muscles of speech

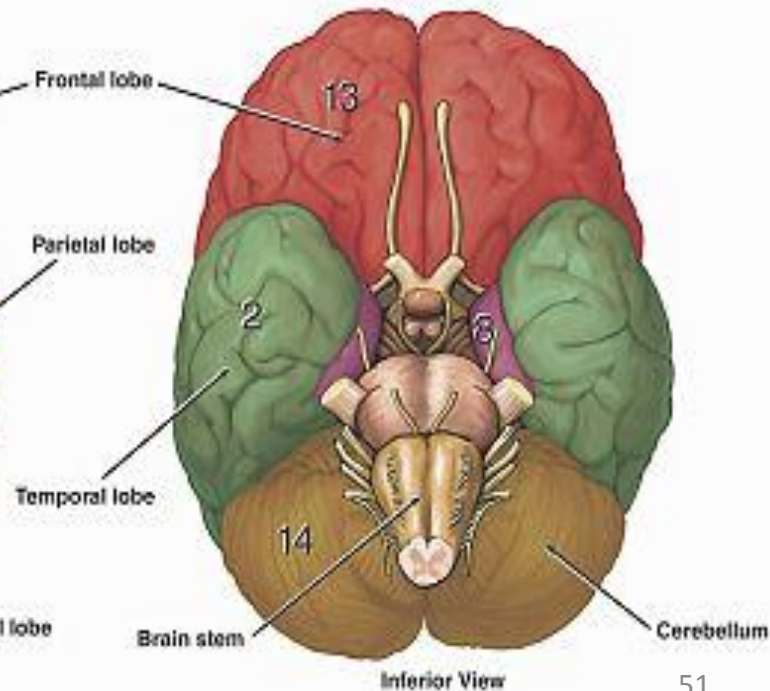
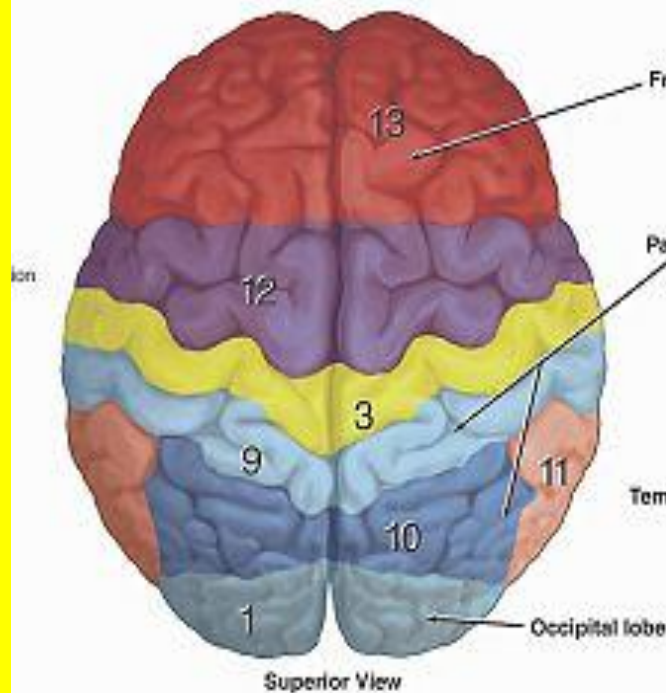
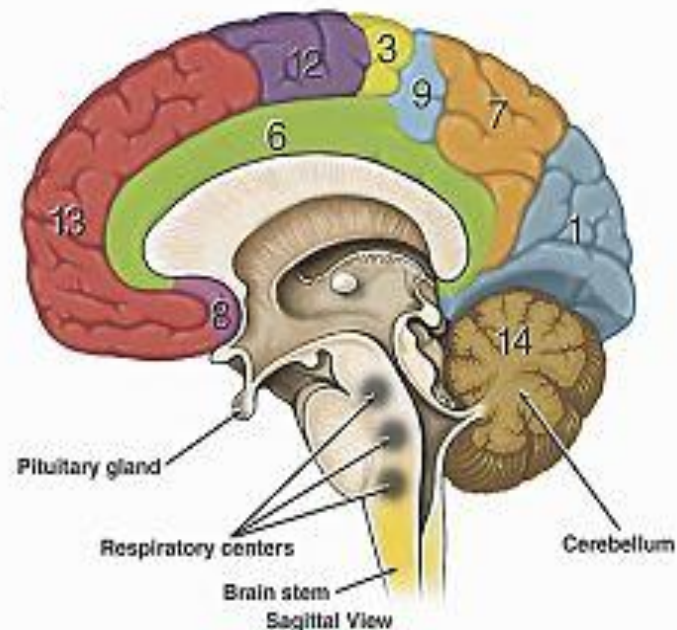
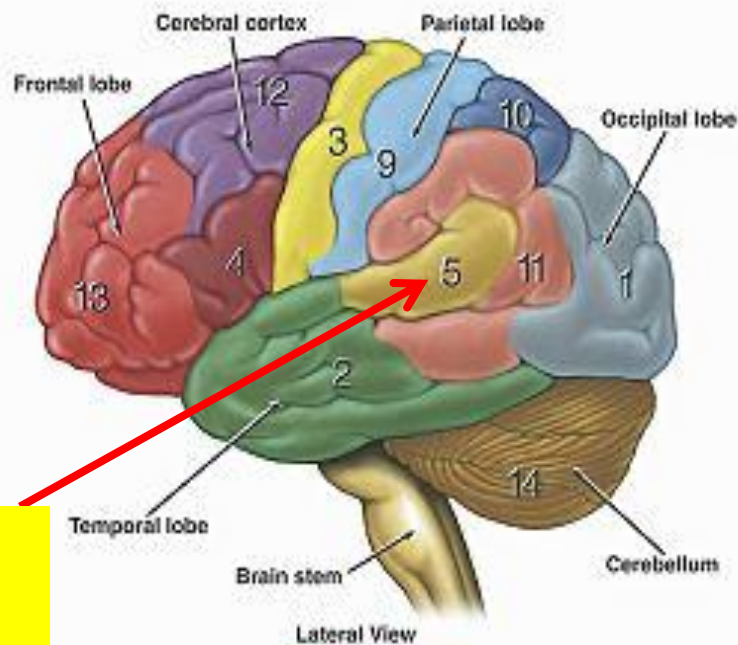


Functional Areas of the Cerebral Cortex

- 1 **Visual Area:**
Sight
Image recognition
Image perception
- 2 **Association Area:**
Short-term memory
Equilibrium
Emotion
- 3 **Motor Function Area:**
Initiation of voluntary muscles
- 4 **Broca's Area:**
Muscles of speech
- 5 **Auditory Area:**
Hearing

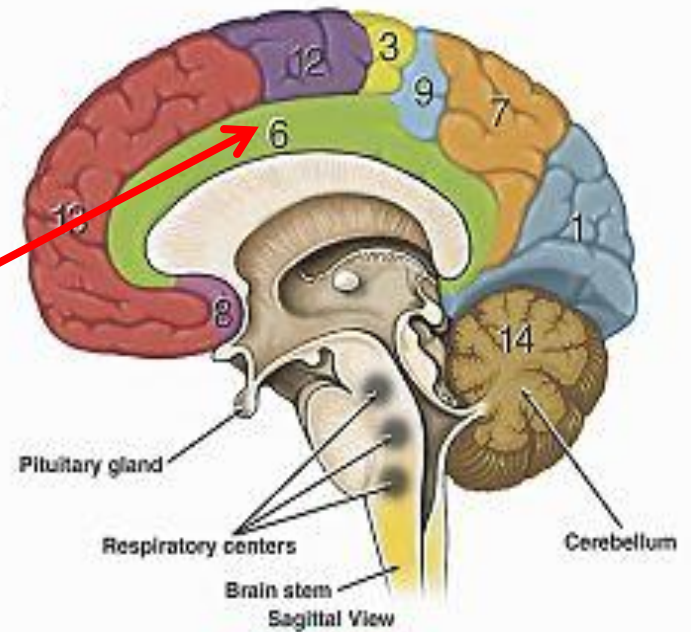
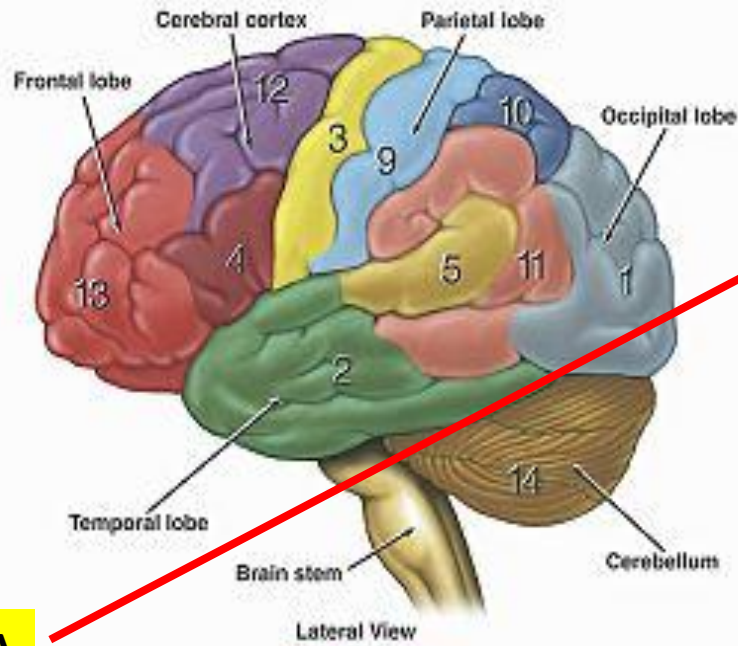
5. AUDITORY AREA

Hearing



Functional Areas of the Cerebral Cortex

- 1 **Visual Area:**
Sight
Image recognition
Image perception
- 2 **Association Area**
Short-term memory
Equilibrium
Emotion
- 3 **Motor Function Area**
Initiation of voluntary muscles
- 4 **Broca's Area**
Muscles of speech
- 5 **Auditory Area**
Hearing
- 6 **Emotional Area**
Pain
Hunger
"Fight or flight" response

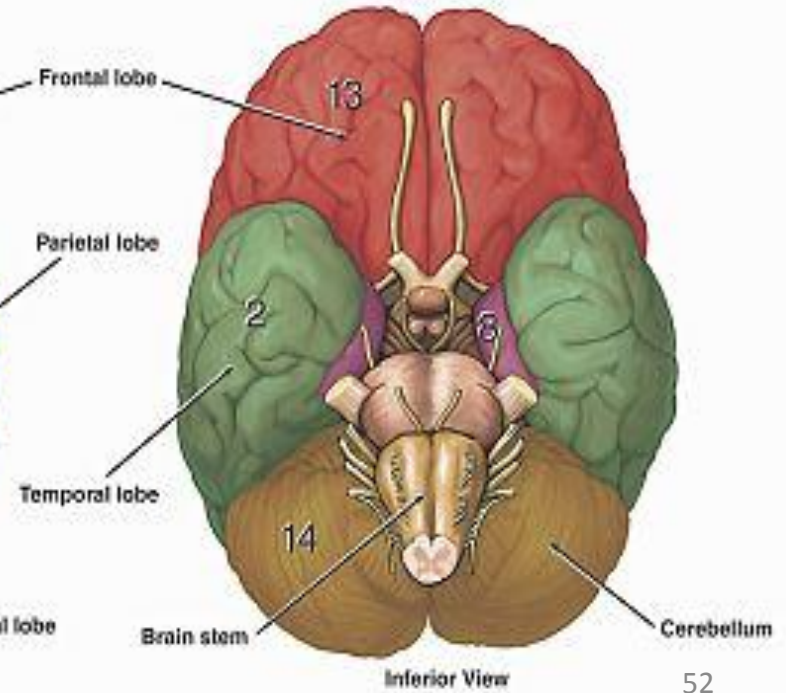
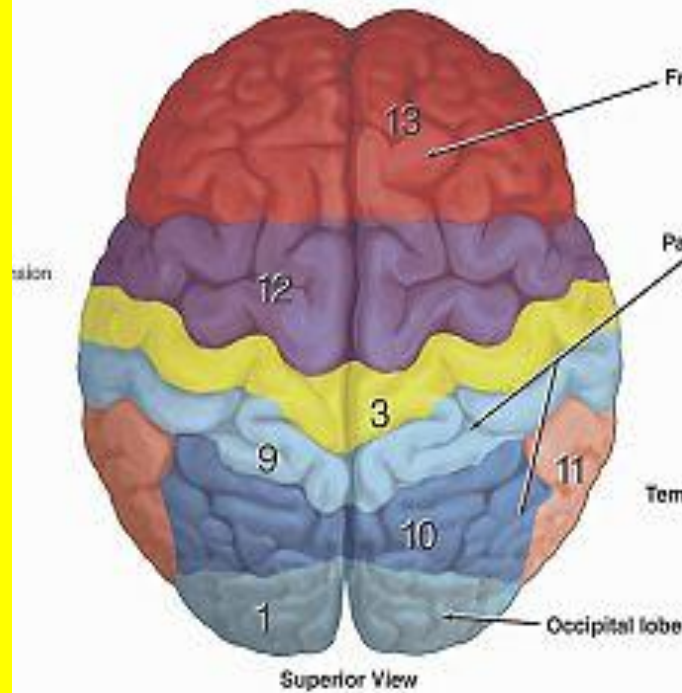


6. EMOTIONAL AREA

Pain

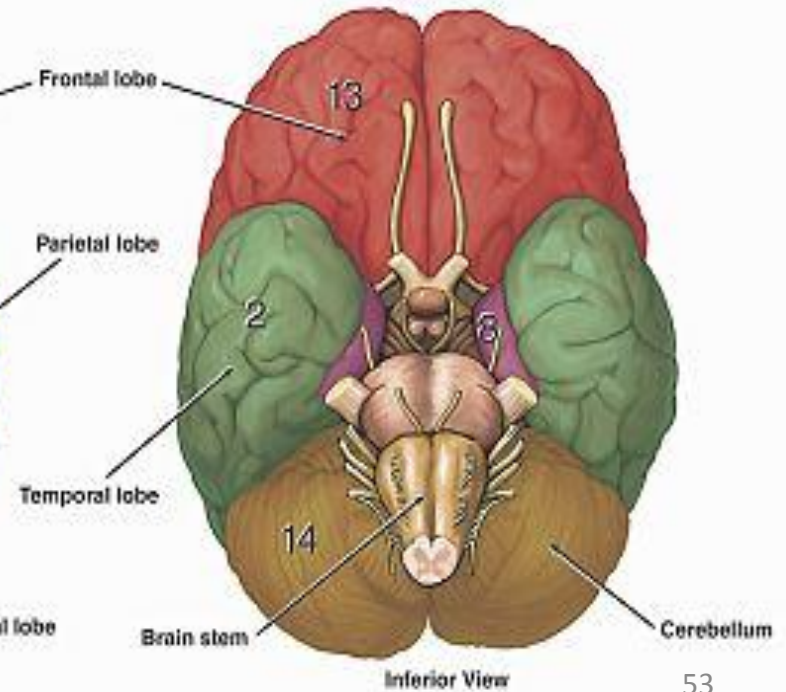
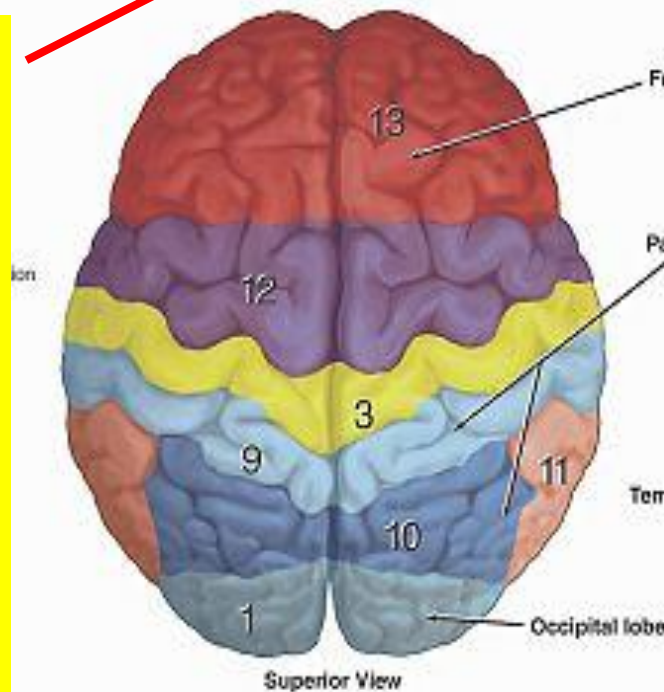
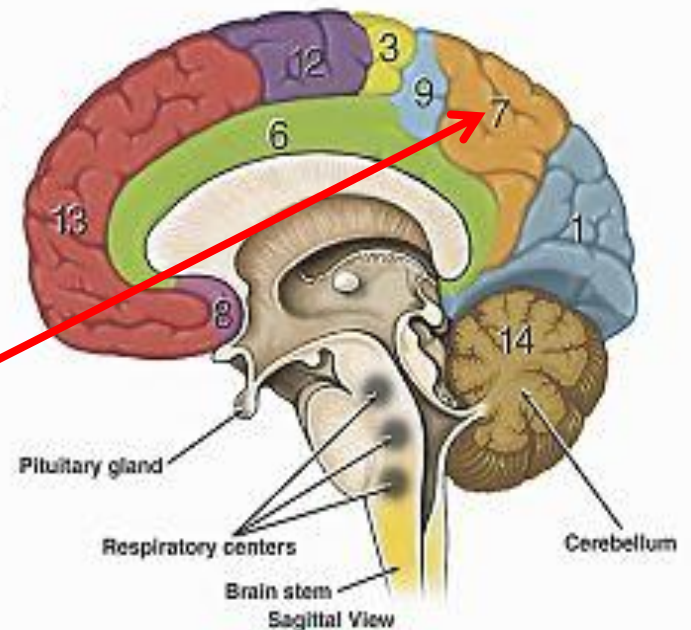
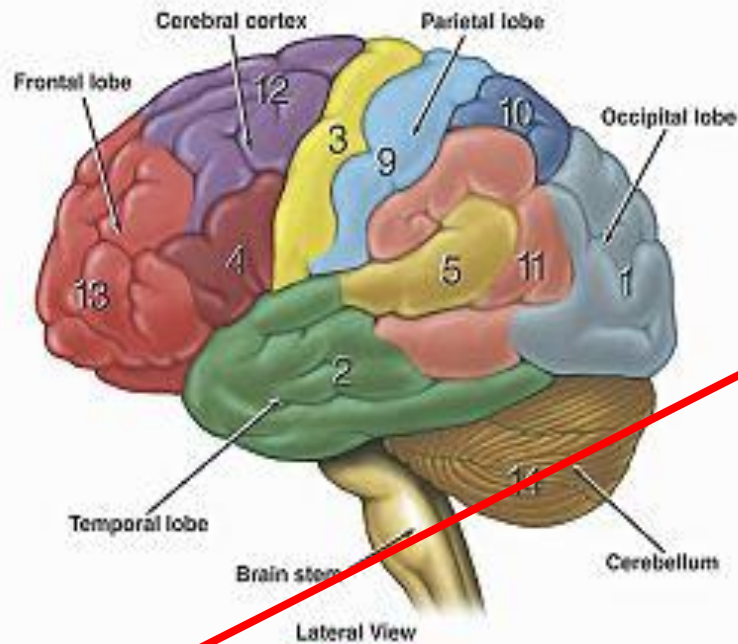
Hunger

Fight or Flight
response



Functional Areas of the Cerebral Cortex

- 1 **Visual Area:**
Sight
Image recognition
Image perception
- 2 **Association Area**
Short-term memory
Equilibrium
Emotion
- 3 **Motor Function Area**
Initiation of voluntary muscles
- 4 **Broca's Area**
Muscles of speech
- 5 **Auditory Area**
Hearing
- 6 **Emotional Area**
Pain
Hunger
"Fight or flight" response
- 7 **Sensory Association Area**



7. SENSORY ASSOCIATION AREA

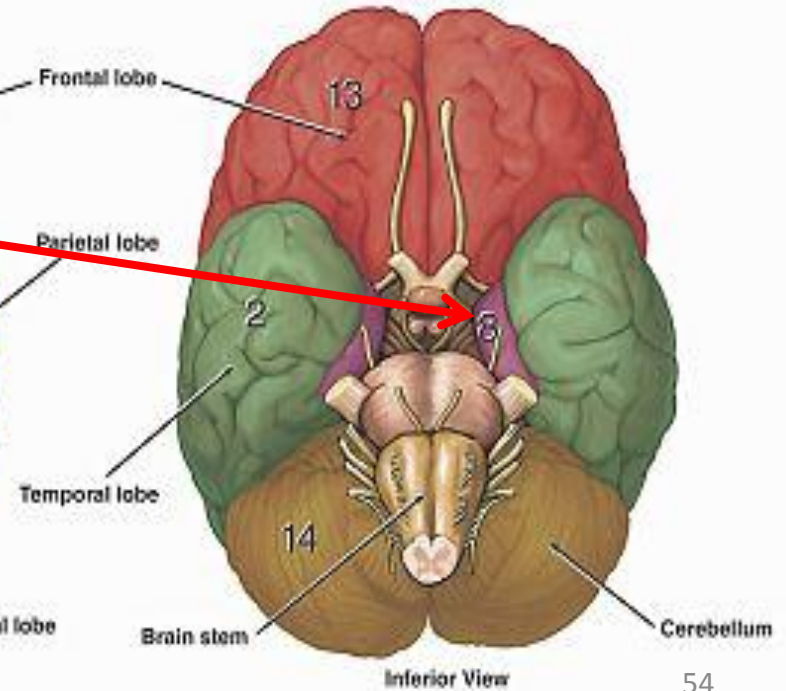
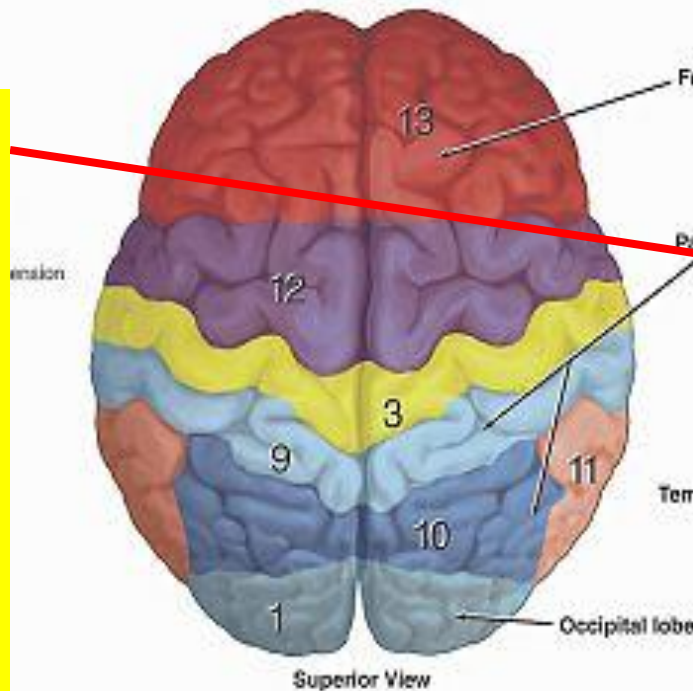
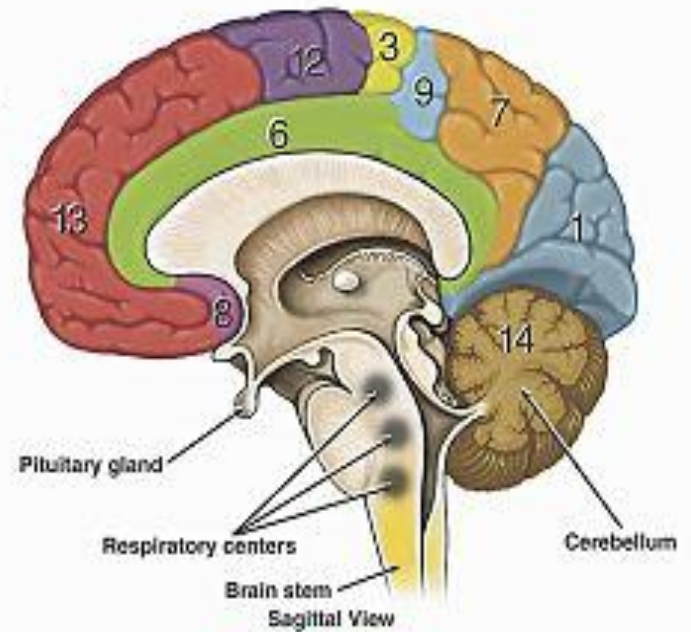
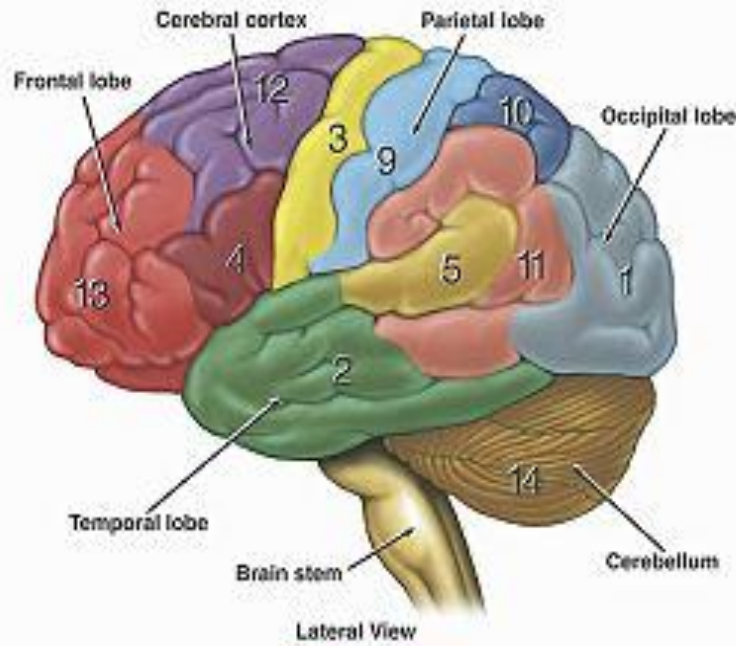
Sight

Image recognition

Image perception

Functional Areas of the Cerebral Cortex

- 1 **Visual Area:**
Sight
Image recognition
Image perception
- 2 **Association Area**
Short-term memory
Equilibrium
Emotion
- 3 **Motor Function Area**
Initiation of voluntary muscles
- 4 **Broca's Area**
Muscles of speech
- 5 **Auditory Area**
Hearing
- 6 **Emotional Area**
Pain
Hunger
"Fight or flight" response
- 7 **Sensory Association Area**
- 8 **Olfactory Area**
Smelling



8. OLFACTORY AREA

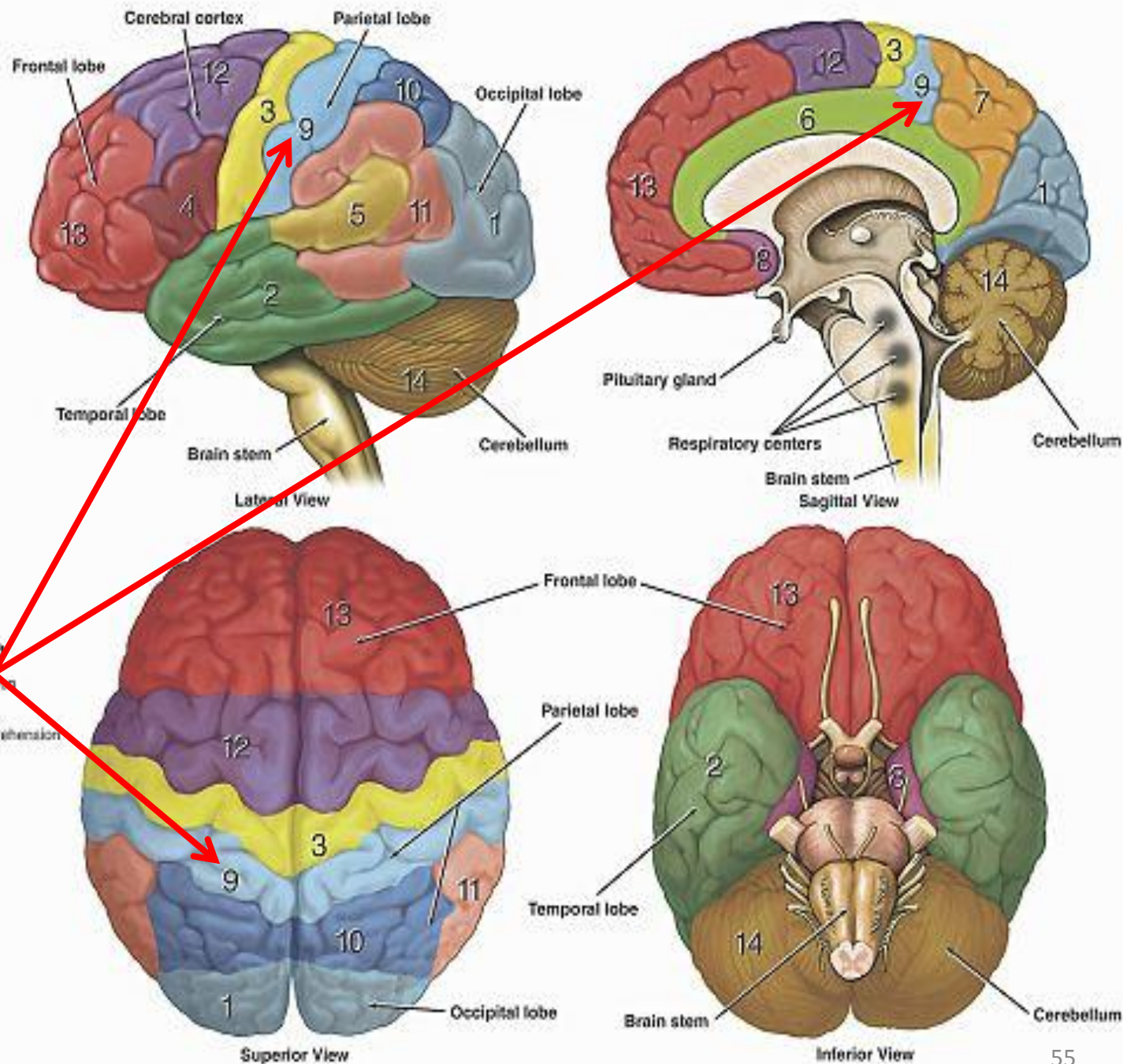
Smelling

Functional Areas of the Cerebral Cortex

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Image perception
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Short-term memory
Equilibrium
Emotion
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Muscles of speech
- 5 **Auditory Area**
Hearing
- 6 **Emotional Area**
Pain
Hunger
"Fight or flight" response
- 7 **Sensory Association Area**
- 8 **Olfactory Area**
Smelling
- 9 **Sensory Area**
Sensation from muscles and skin

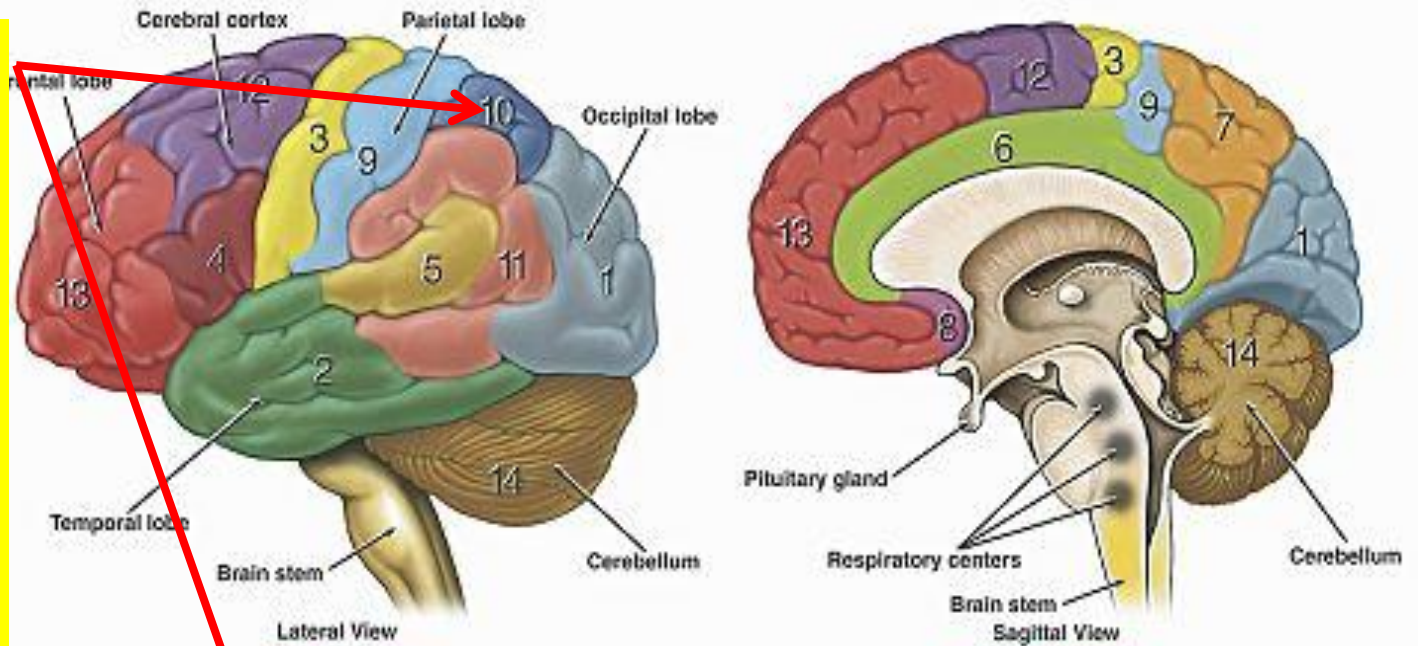
9. SENSORY AREA

Sensation from muscles and skin



10. Somatosensory Association Area

Evaluation of weight, texture, temperature etc for object recognition



10 Somatosensory Association Area
Evaluation of weight, texture, temperature, etc. for object recognition

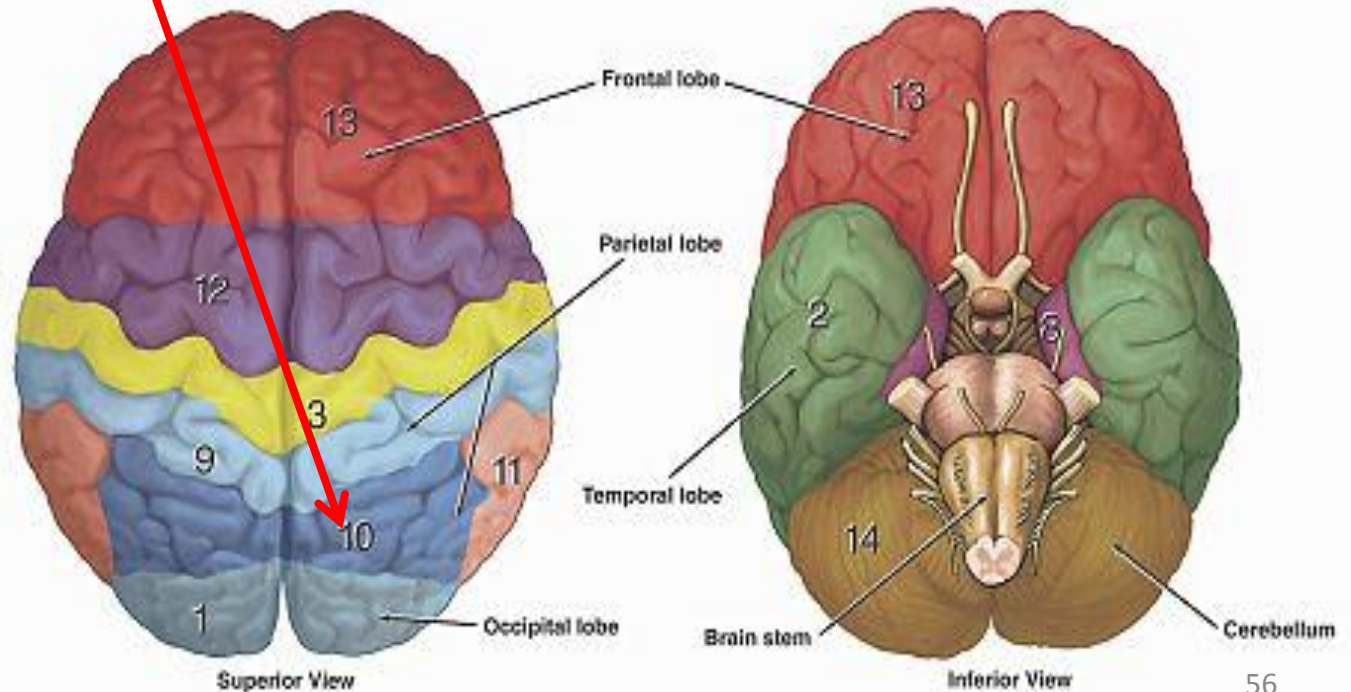
11 Wernicke's Area
Written and spoken language comprehension

12 Motor Function Area
Eye movement and orientation

13 Higher Mental Functions
Concentration
Planning
Judgment
Emotional expression
Creativity
Inhibition

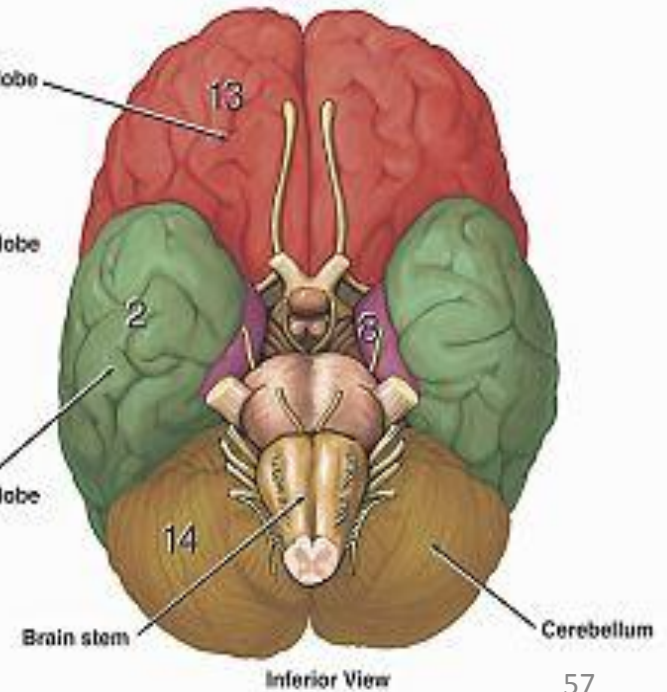
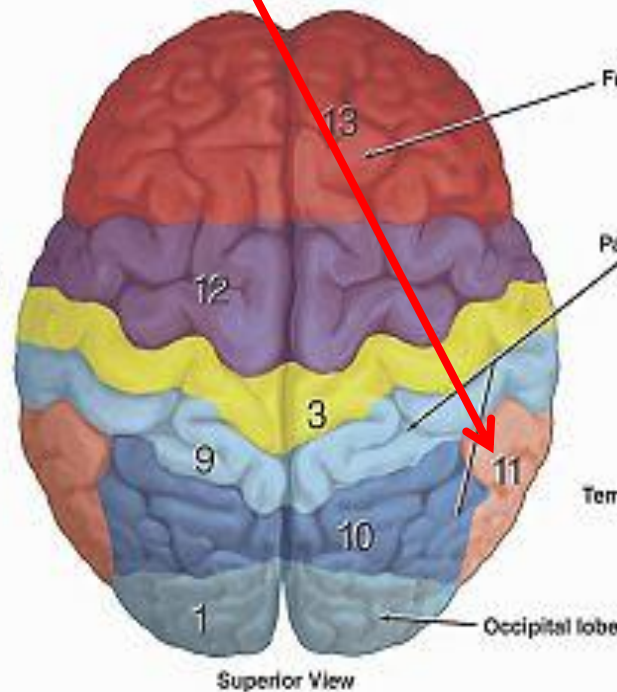
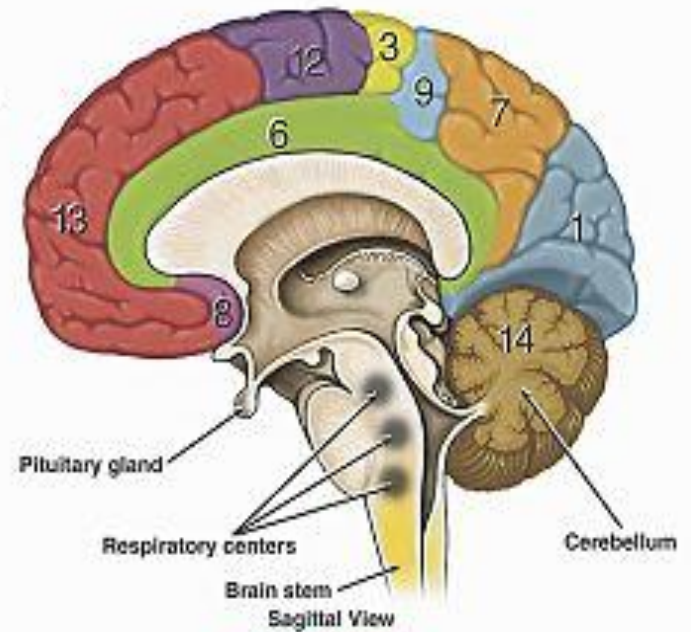
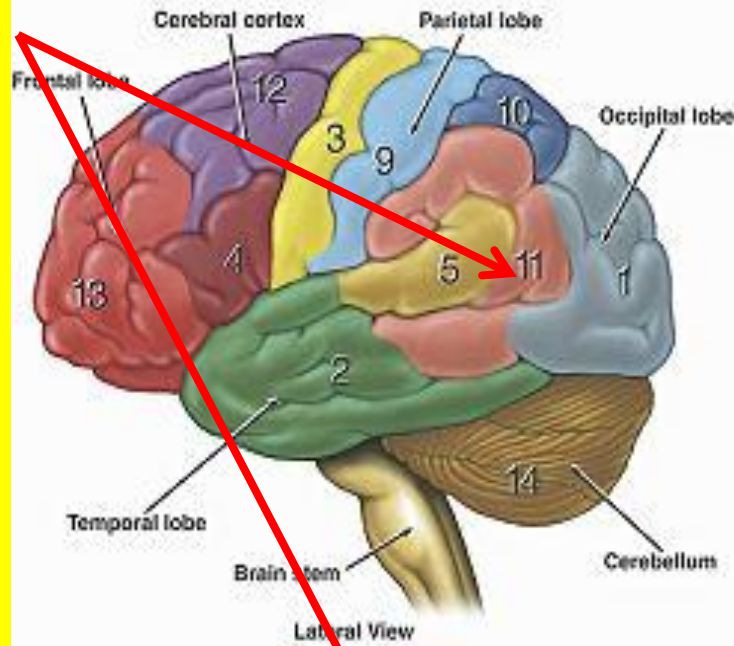
Functional Areas of the Cerebellum

14 Motor Functions
Coordination of movement
Balance and equilibrium
Posture



11. Wernicke's Area

Written and spoken language comprehension

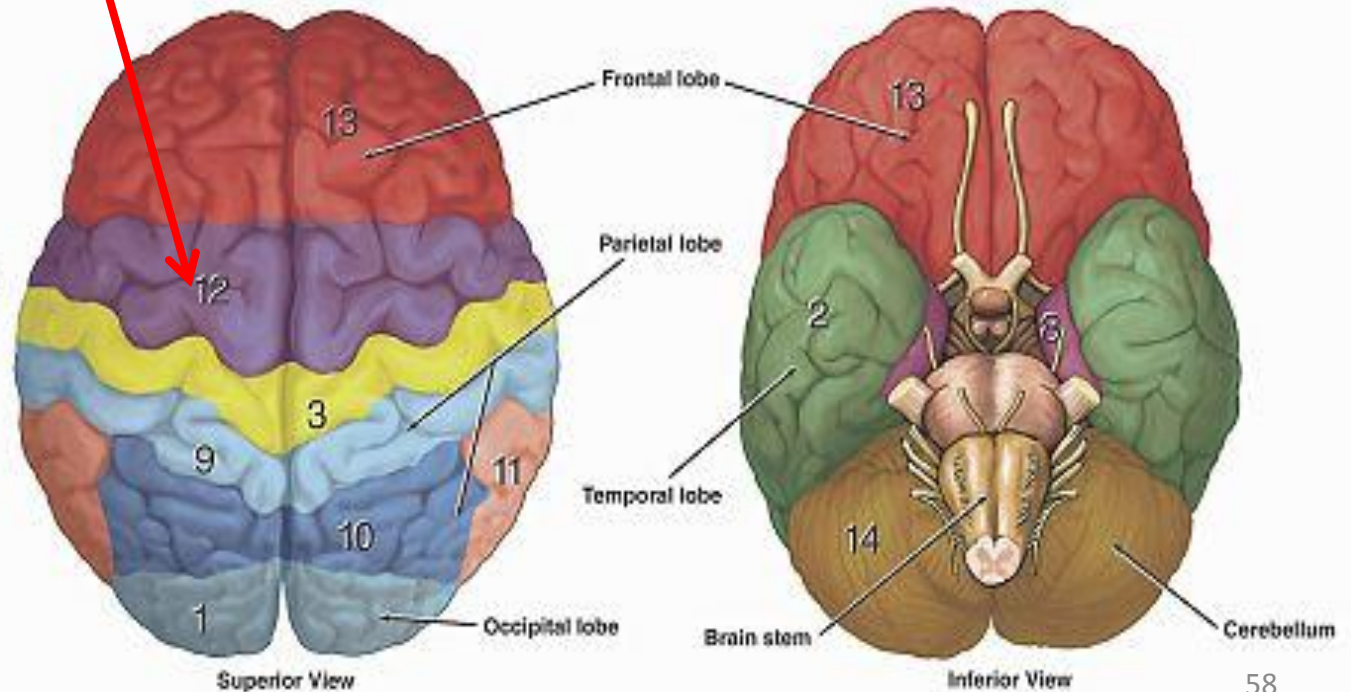
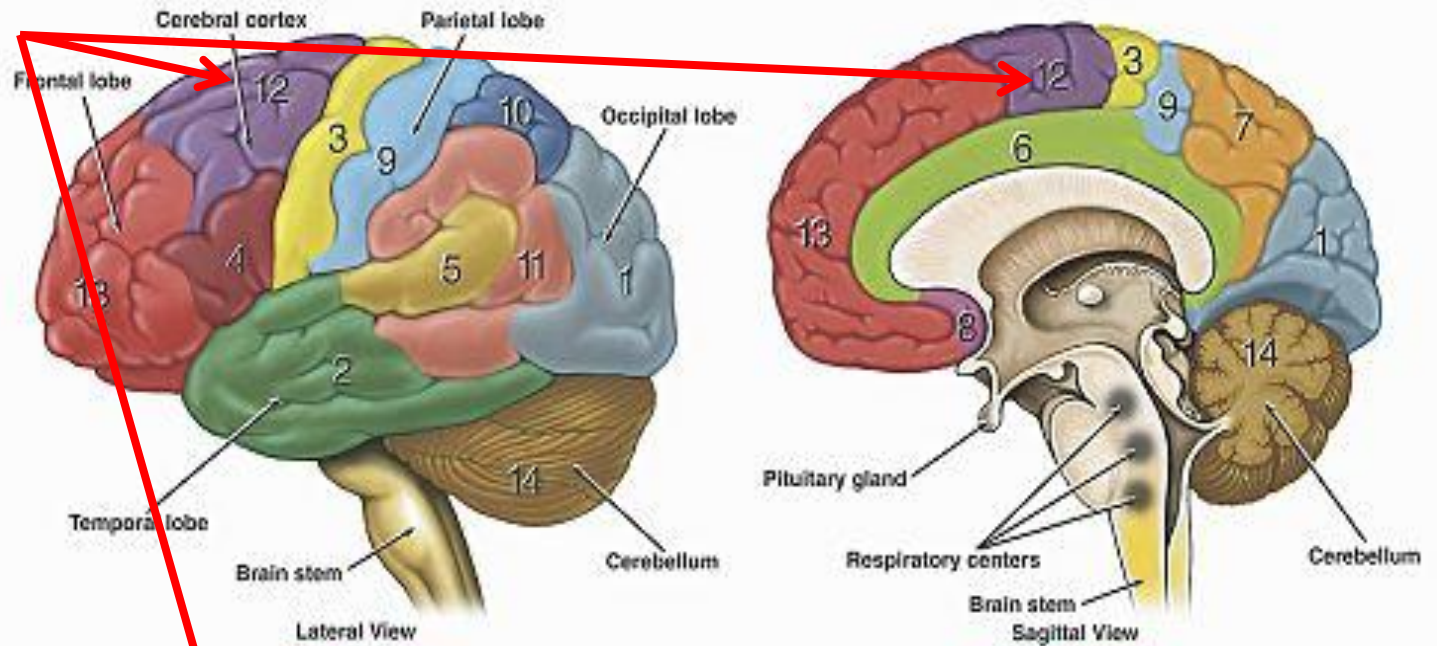


- 11** Wernicke's Area
Written and spoken language comprehension
- 12** Motor Function Area
Eye movement and orientation
- 13** Higher Mental Functions
Concentration
Planning
Judgment
Emotional expression
Creativity
Inhibition
- Functional Areas of the Cerebellum**
- 14** Motor Functions
Coordination of movement
Balance and equilibrium
Posture

12. MOTOR FUNCTION AREA

Eye movement

Orientation



- 12 Motor Function Area**
 Eye movement and orientation
- 13 Higher Mental Functions**
 Concentration
 Planning
 Judgment
 Emotional expression
 Creativity
 Inhibition
- Functional Areas of the Cerebellum**
- 14 Motor Functions**
 Coordination of movement
 Balance and equilibrium
 Posture

13. HIGHER MENTAL FUNCTIONS

Concentration

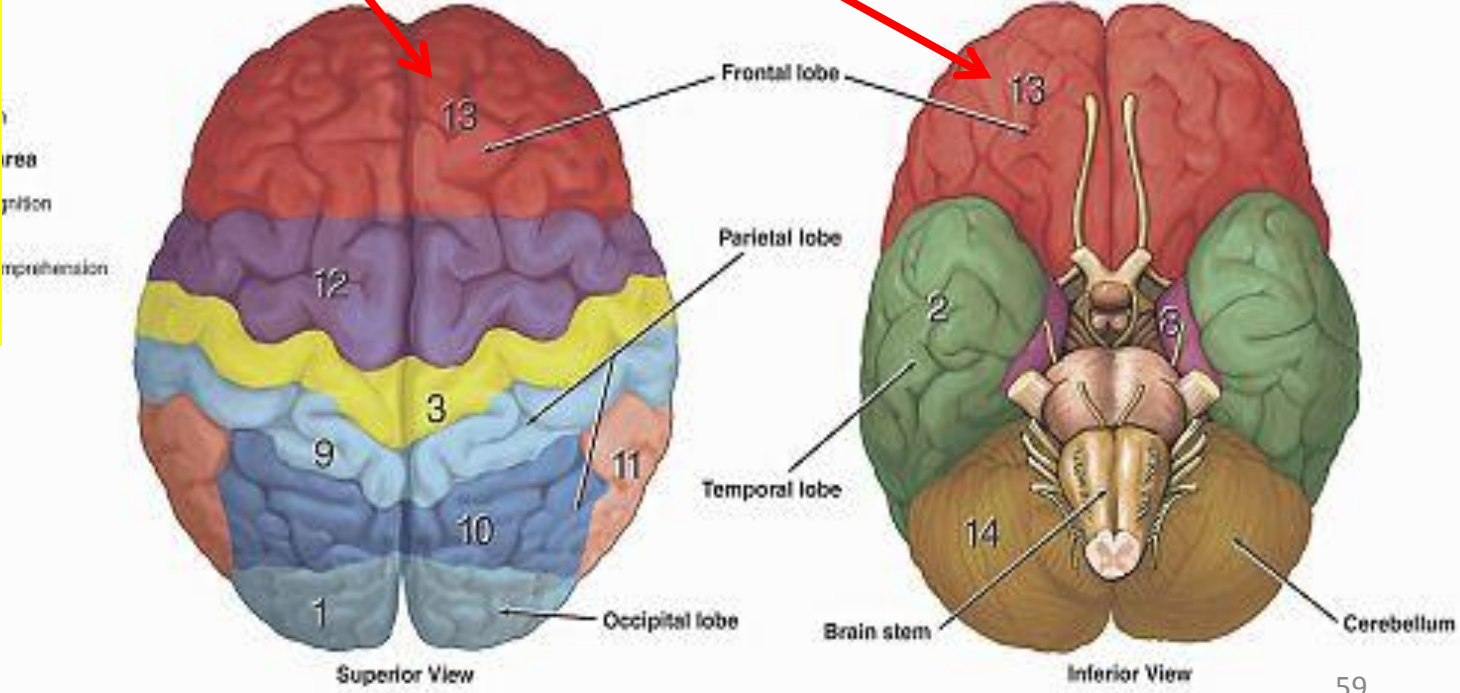
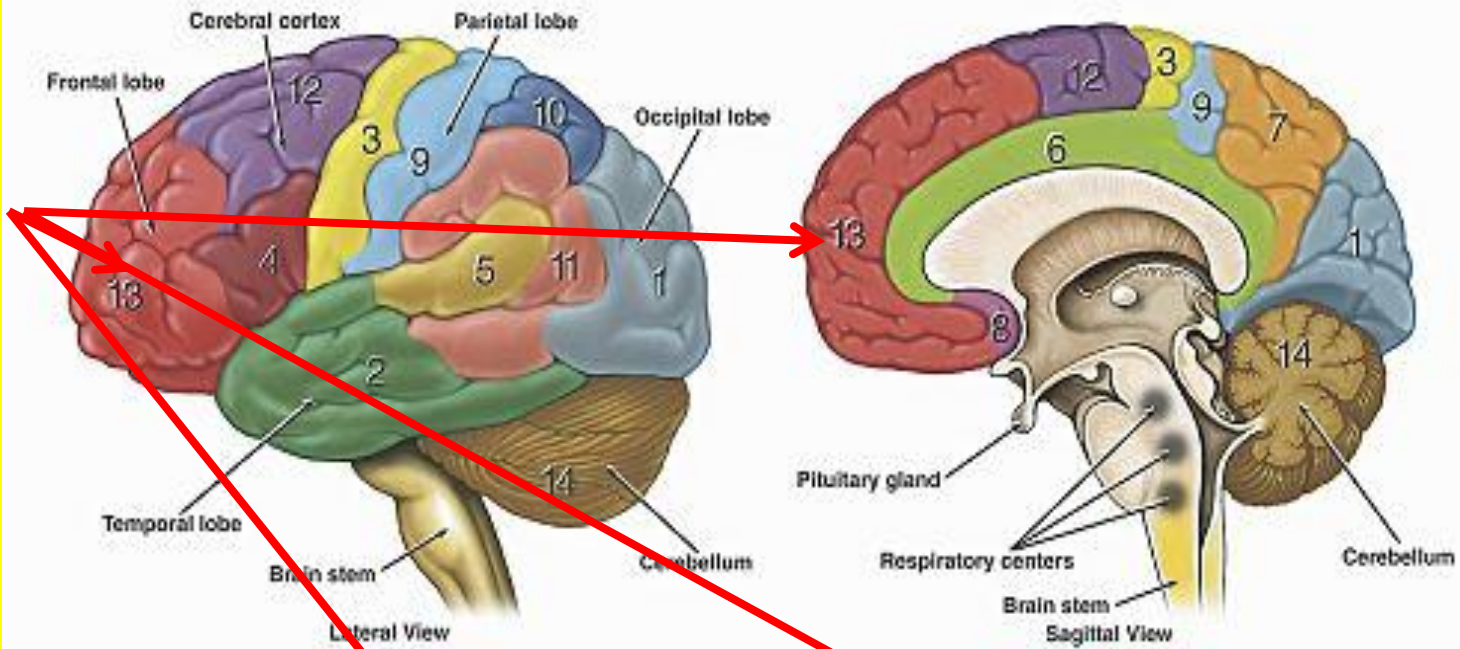
Planning

Judgment

Emotional expression

Creativity

Intuition



- 13 Higher Mental Functions**
 - Concentration
 - Planning
 - Judgment
 - Emotional expression
 - Creativity
 - Inhibition

Functional Areas of the Cerebellum

- 14 Motor Functions**
 - Coordination of movement
 - Balance and equilibrium
 - Posture

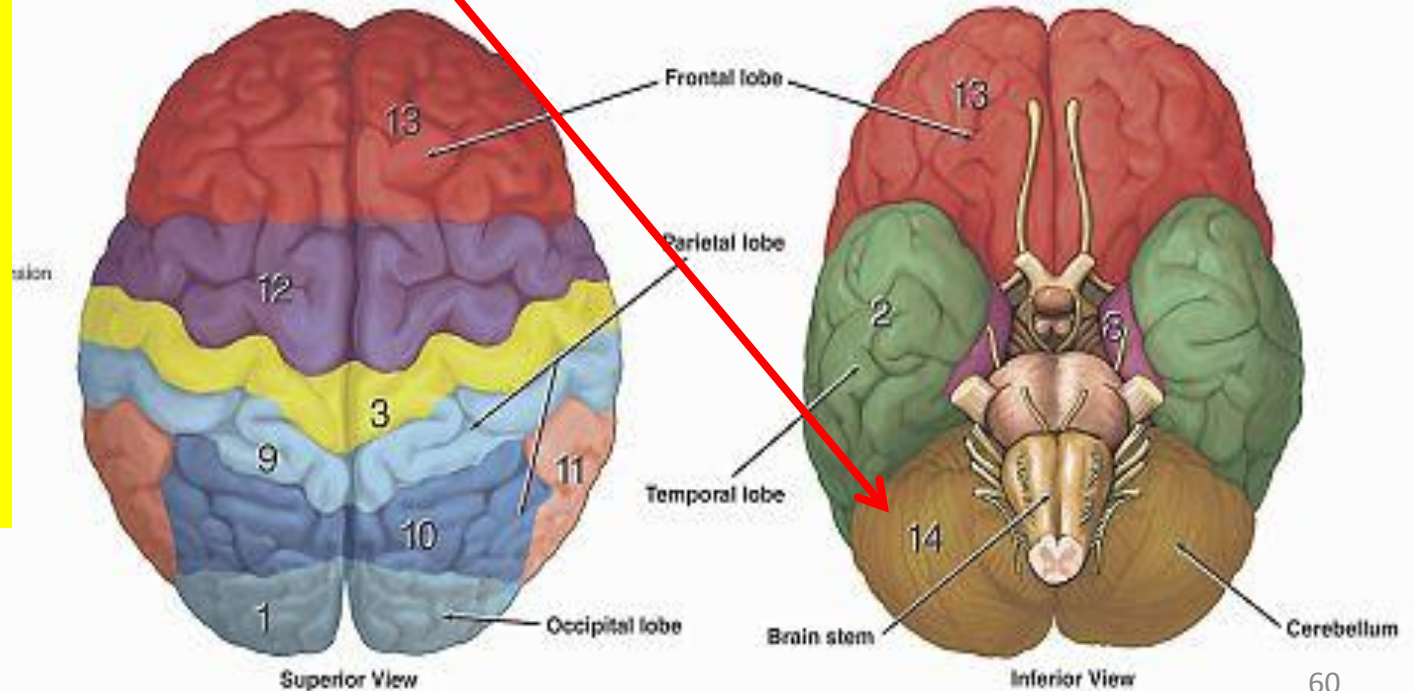
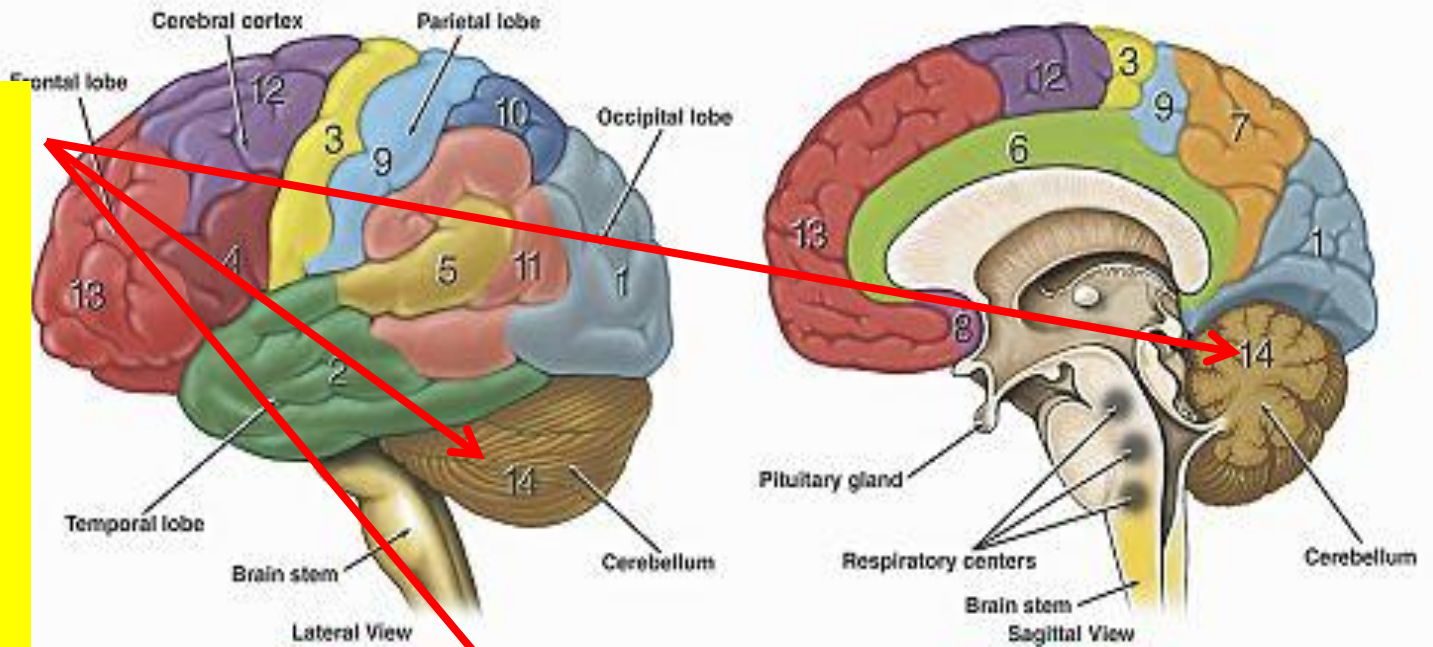
Functional Areas of the Cerebral Cortex

14. MOTOR FUNCTIONS

Coordination of movement

Balance & equilibrium

Posture



Functional Areas of the Cerebellum

14

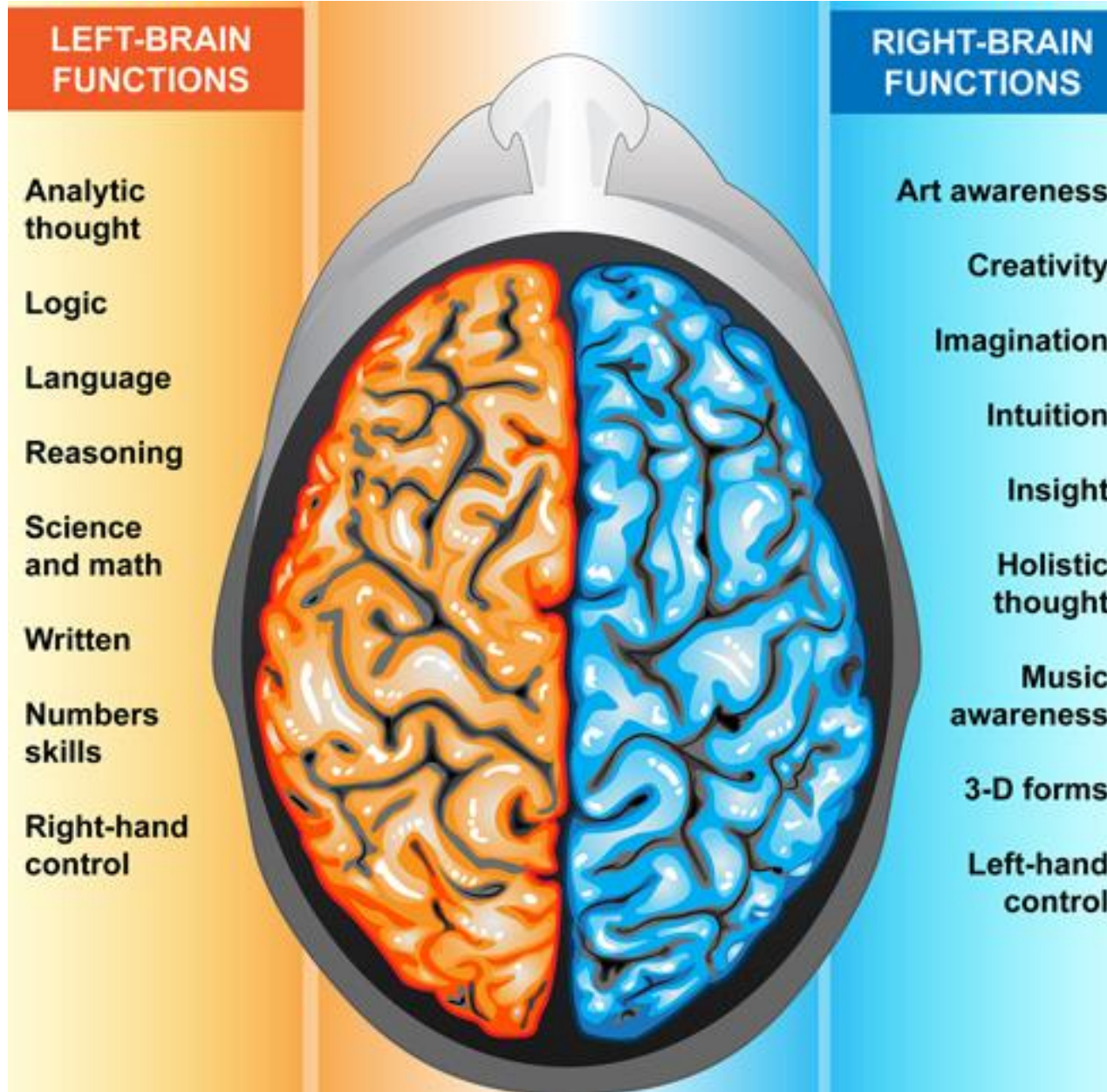
Motor Functions
 Coordination of movement
 Balance and equilibrium
 Posture



[CLICK HERE](#)

Anatomy of the Brain

POPULAR CONCEPTIONS ABOUT BRAIN-FUNCTION



Left Brain

Right Brain

logic I know exactly who I am
A masters of words and language

Realistic

Always in control

Linear

Analytical

I am order Strategic

I love the familiar

I am logic

I am a scientist

categorize

Control

I am accurate

mathematician

I calculate equations and play with numbers

practical

I am everything I wanted to be

I am the sound of roaring laughter

A free spirit

I am movement

I sense

I am the urge to paint on empty canvas

Vivid I feel

Art

I am creativity

Poetry

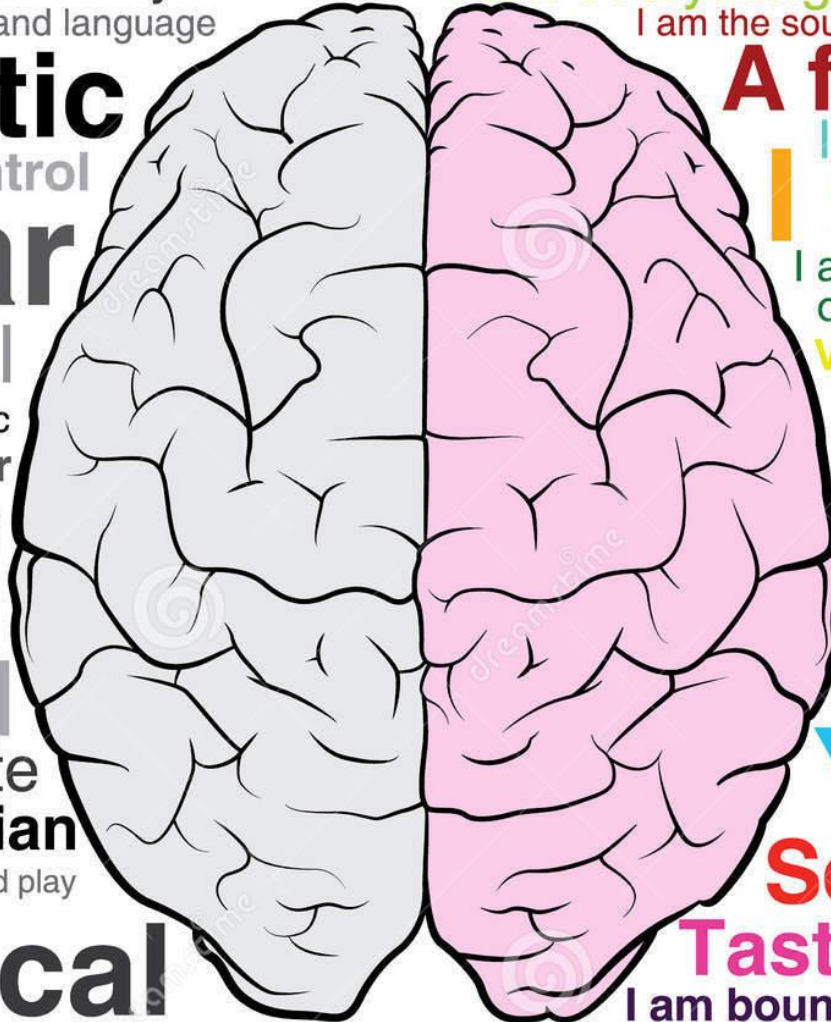
The feeling of sand beneath bare feet

Yearn

Sensuality

Taste Passion

I am boundless imagination



**NOW FOR AN
INTERESTING
ANALYSIS ABOUT
BRAIN-FUNCTIONS
FOR LEARNING**

FUNCTIONAL SUMMARY – LEARNING FOCUS

Frontal Lobe
(*action*)

Premotor
Sequential thinking

Takes ideas, actions and words, and puts them into **linear sequence**

Imagination, Creativity, "Yes"

Creates new patterns of ideas and language
(Writer, Philosopher...)

Impulsive talking

Inhibitions, "No"

What NOT to SAY
Worrying (talking to yourself about what not to do)

Motor
controls muscles on Right side

Body Senses
on right side

Symbols

Math symbols $+ / - = x^2$
Match body to "left" "right" words
Reading clocks

Grammar

Spatial arrangement of language

Spelling Phonics Reading

Sounds of Language

Recognize Word sounds
Phonemes

Matching vision of letters with sounds of words

Vision of Alphabet

Recognizing letters and groups
.ch th ing

Perceive Letter shapes
d b p q

(from eye)

Lines, Angles
o l - /

Occipital Lobe
(*vision*)

Emotional memory

Emotions and language

Language memory, stories

Memory

Face Names

Temporal Lobe
(*memory*)

Muscle Coordination

Speed of Repetitive action

Balance

Cerebellum

Parietal Lobe
(*spatial*)

Foot
Leg
Trunk
Arm
Genitals
Foot
Leg
Trunk
Arm

Right Hand

Face
Lips
Tongue

I (from ear)
Frequencies

Fingers

Face
Lips

III

II

III

III

II

I

Body Senses, Grammar, Imagination Creativity "Yes", Inhibitions "No" & Worry, Motor, Premotor Sequential Thinking, Sounds of Language, Spelling Phonics Reading, Symbols, Vision of Alphabet

Body Senses

- such as touch, pain and limb position
- the left brain senses the right side of the body
- the right brain – the left side

[BACK](#)

Grammar

- Grammar is the spatial sense of vocabulary.
- As a child grows, the brain soaks in whatever sounds it hears which we call vocabulary and grammar.
- After age 10:
 - the vocabulary and grammar parts of the brain are mostly finished growing
 - the thinking parts of the brain in the frontal lobe continues growing, building upon the foundation of grammar and vocabulary learned in childhood.
- The process is :

Vocabulary

--> Grammar

--> Concepts

--> Creative thinking

[BACK](#)

Imagination, Creativity, "Yes"

- The creative area of the left frontal lobe rearranges words, concepts, symbols, and memories into new patterns.
- In effect, this allows us to think up new things to say.
- When we think about something, we are usually using oral language in our mind.
 - rehearse a speech
 - dream of a conversation
 - imagine a poem
 - remember what someone said on the phone.
 - think with a foreign accent.
- Most of this goes on in the frontal lobe above our eyebrows.
- Clues that this area is well-developed are indicated if a person is...
 - "quick-witted" -- making fast associations of ideas and words
 - good at improvising speech -- thinking of "what to say" impromptu
 - good at carrying on an "intelligent" conversation instead of "small talk"
 - good at philosophizing with abstract concepts -- "why do we exist?"

Inhibitions, "No", and Worry

- The lower frontal lobe, above the eyes, has the job of stopping a person from getting into trouble through wrong actions.
- Because most of our thinking is oral language, this area is important for "talking to oneself" and worry.
- If the area is too strong, then a person may worry so much that they are afraid to do or say anything.
- Shyness is a survival mechanism for avoiding trouble.
- If it is weakly developed, or injured, a person may say inappropriate things, such as swearing too much or talking too much.
- Remember, the goal of this area is to keep a person from trouble via the mouth, so if the person is losing friends by what he says, then the inhibition area is not working well.

Motor area

- In the Left-brain, this area puts into practice the instructions from the left-brain pre-motor area, but controlling the Right Side of the body. This of course covers the Right hand.
- Because the Left side of the brain is language based, the Motor area also controls strongly the instructions to speak language.
- Stuttering may involve confusion between the left and right Motor and Pre-Motor areas trying to control the single language ability.
- The Speech Area seems to be a highly developed part of the general motor area, which evolved to handle the difficult muscle control needed for speech creation.

Premotor area

- The premotor area in the front of the forehead, keeps track of sequential patterns -- words, symbols, ideas, that come one after another. This is highly important for humans with symbolic thinking.
- e.g learning how to use tools in a sequential way to accomplish a symbolic goal.
- because the motor nerves cross, this left-brain premotor area controls the RIGHT HAND
- Most humans have symbolic language in the left brain, so most humans are Right-Handed!
- Key talents where this area is important include:
 - Tool use - doing a sequence of operations with the right hand.
 - "Logical" thinking - putting ideas together in sequence, so one follows another
 - Cause and effect reasoning - a basis for scientific thinking and "how-to" analysis
 - Grammar - Thinking, speaking and writing language sequentially to follow rules.
 - Rules for playing Games - what to do in what order, for a logical result.
 - Following recipes and instructions
 - Awareness of time, and possibly the passage of time in comparison to other events.

Sounds of Language

- for discriminating the sound input of language
- in the first few months babies hear the sounds of people talking and remember that certain sound patterns seem to always match certain objects and actions.
- Animals and birds have a limited symbolic vocabulary, and can communicate concepts with certain sounds e.g a bird singing a “territory claim” to other birds
- Humans can make very fine distinctions in sound, and therefore meaning.
- Role of books
 - give children exposure to much more complex vocabulary, and proper grammar, than children will ever hear from oral language in normal family or school life.
 - especially true if parents read to the children, which gives young children access to language and ideas years ahead of their own reading ability.

Spelling, Phonics, Reading

- We think in the sounds of a language – even with a foreign accent.
- Reading is a visual tool tacked onto our oral vocabulary and grammar.
- Children at age 6 years:
 - have a good oral vocabulary and grammar.
 - their visual cortex has usually developed enough to distinguish the visual shapes of letters.
 - now they are ready for reading.
- special part of the cortex - called the "angular gyrus"
 - a "gyrus" is a fold in the cortex that bulges up, while a "sulcus" is a valley.
 - the angular gyrus matches sounds with letters.
 - this is an important area for spelling - which involves phonics (matching our existing oral vocabulary to the visual perception of letters)
 - thus as important area for our ability to read
 - the angular gyrus develops from about age 6 to 9, then it is mostly finished for most people.
 - "word attack skills" means using phonics to sound out letters until they trigger a match with the sound of a word already in the brain.
 - reading is a code for oral language, and phonics unlocks the code.
- in the 1970's and 1980's teachers ignored phonics – result? - a wave of poor spellers and readers going through the school system.

Symbols (& Symbolic Relationships)

- the spatial area of the brain is in the parietal lobe
- it senses complex arrangements.
- it works with symbols, not just visual shapes.
- Examples include...
 - **Right / Left.**
 - The body senses tell a child which foot the mother is touching.
 - Vision shows which foot the mother is pointing to.
 - Now the mother says the words, "Put on your left shoe."
 - Eventually the child's brain matches up the word "left" with a certain side of the body.
 - More advanced learning will allow the child to match the word "left" with map symbols and the world of navigation so he can say "According to the map, we should make a left turn." This matches lines on a map with the left side of his body.
 - **Reading Clocks.**
 - The parietal lobe matches up the sense of time with symbols of a clock face.
 - if a child only knows only a digital clock, it can't read a traditional clock
 - **Mathematics** - involves a variety of talents.
 - A concept such as "add" must involve a child seeing the difference between one and two cookies on a plate.

Vision of Alphabet (& Reading)

- Vision in the brain is specialized for reading.
- The brain learns to see arrangements of lines we call alphabet letters.

For example...

The visual cortex looks for simple things such as " l o / "

Then the brain learns to perceive arrangements of lines as letters " d b p q v "

Then the brain learns to perceive arrangements of letters as words

l o -----> b ----> bat

- Dyslexia means "can't read," and the visuals tell us nothing.

[BACK](#)

Music?



Music lessons have shown to considerably boost brain organization and ability in both children and adults.

The European Union “Human Brain Project”

- a large 10-year scientific research project, established in 2013- largely funded by the European Union
- aims to provide a human whole brain model within its 10 year funding period.
- Based in Geneva, Switzerland
- Strategic goals are to develop information and communications technology platforms in 6 areas:
 - Neuroinformatics
 - Brain simulation
 - High-performance computing
 - Medical informatics
 - Neuromorphic computing
 - Neurorobotics
- involves hundreds of researchers from 135 partner institutions in 26 countries.
- total costs estimated at €1.19 billion
- 7148 person-years of effort
- funded by the European Commission through its Future and Emerging Technologies (FET) Flagship grant.
- initial funding includes "virtual robotic environments, agents, sensory & motor systems“.

USA Brain Initiative



- the President highlighted the BRAIN Initiative as a “[Grand Challenge](#)”
- the last Grand Challenge was the [Human Genome Project](#) - opening the door to personalized medicine
- launched in 2014 with \$100 million in funding for research supported by:
 - the National Institutes of Health (NIH)
 - the Defense Advanced Research Projects Agency (DARPA)
 - the National Science Foundation (NSF)

SATANIC PERSPECTIVE?



IT'S ALWAYS ABOUT:

TECHNOLOGY

POWER

CONTROL (inc. mind control)

“ONE MIND”

Rev 17:13 (KJV) These have **one mind**, and shall give their power and strength unto the beast.

CENTRALISATION

Babylonian “pre-supposition”

Kings

The State

Rev 16:19 (KJV) And the great city was divided into three parts, and the cities of the nations fell: and great Babylon came in remembrance before God, to give unto her the cup of the wine of the fierceness of his wrath.

Research Project – “How Religion and Prayer Impact the Human Brain”

Feb. 5, 2014

- Researchers at the University of Utah are on a mission to better understand “how religious experience shapes the brain,” so they’ve launched the Religious Brain Project, an initiative that is part of the university’s Brain Network Lab.
- they hope it will answer long-held questions about how religion impacts the faithful.
- the project leader said:
 - it’s actually surprising how little information is out there about “traditional spiritual experiences” and their impact on the brain.
 - religious and spiritual types of feelings are among the most profound influences to behavior, how we interact with other people, and yet the neuroscience of spirituality and religion is almost completely unknown
- they are in the process of recruiting study participants – from members of The **Church of Jesus Christ of Latter-day Saints**
- participants will get an MRI scan as they go through a religious program for one hour that includes music, videos, prayer and scripture while the reserachers observe them during this process

**LET'S NOW SEE THE IMMENSITY OF THE TASK AHEAD
TO PRODUCE A FUNCTIONING NANOTECH
COMPUTER MODEL OF THE BRAIN.**

**THE TASK IS SO IMMENSE, ARROGANT AND
IMPROBABLE - THERE MUST BE A SECRET AGENDA.**

WHY NOT JUST READ & APPLY THE BIBLE – IT'S FREE

ANOTHER ATTEMPT TO BE "AS GOD"?

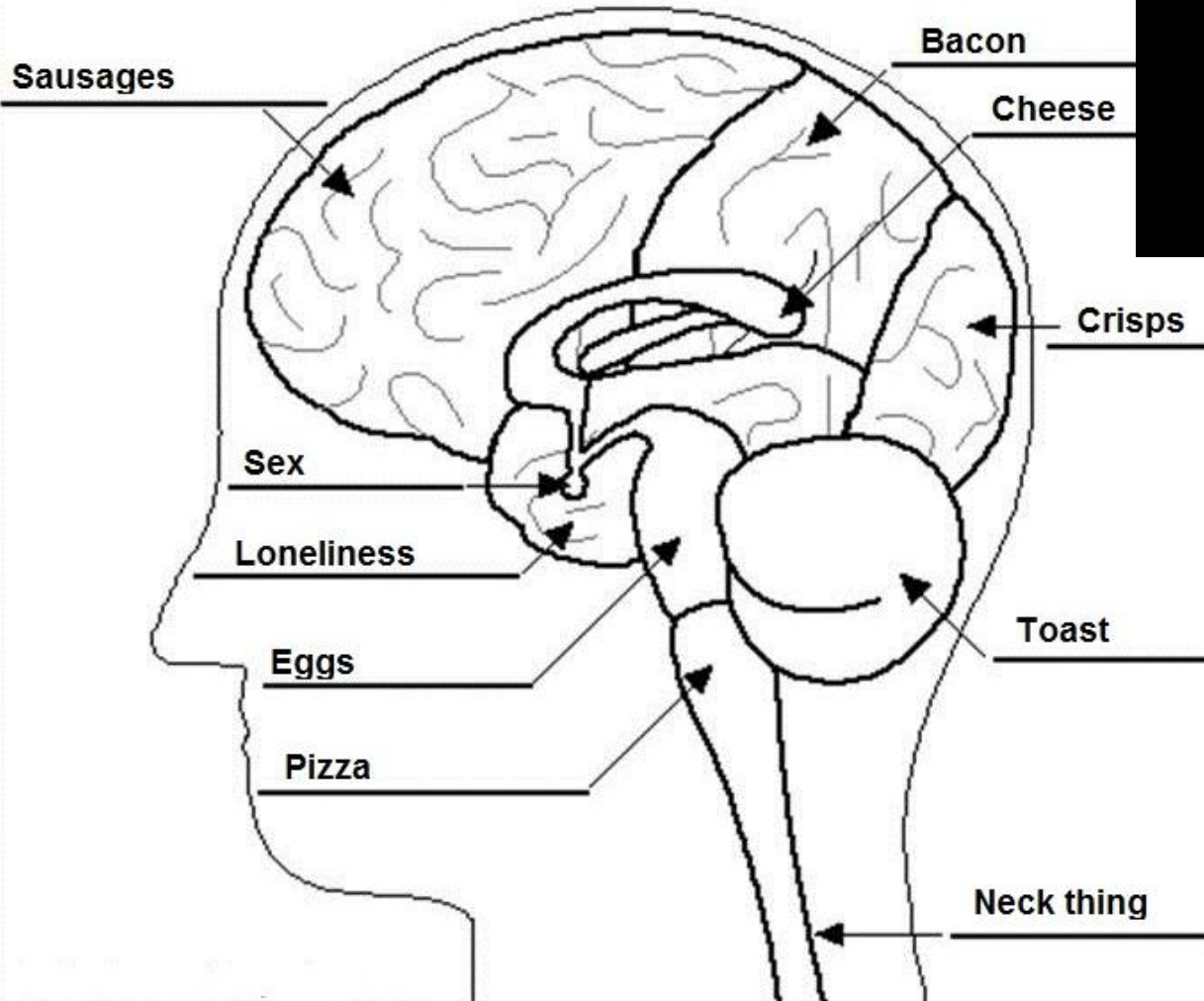
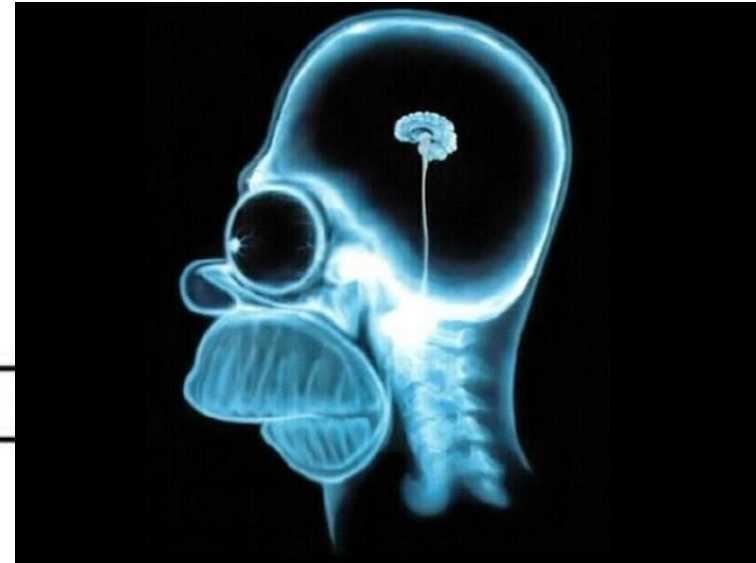


**THE HUMAN BRAIN
IS AWESOME
IT FUNCTIONS 24 HOURS A DAY
FROM THE DAY WE ARE BORN
AND ONLY STOPS WHEN
WE ARE TAKING AN EXAM
OR
FALL IN LOVE**

AND POSSIBLY ONLY STOPS WHEN.....

- BEING BRAIN-WASHED ABOUT EVOLUTION
 - AND CLIMATE CHANGE
- LISTENING TO POLITICIANS
- TAKING DRUGS
- FRANTIC USE OF FACEBOOK & COMPUTER GAMES
- WATCHING MIND-NUMBING TV
- FOLLOWING SO-CALLED "EXPERTS" LIKE SHEEP
- THE BRAIN IS IDLE DURING HACKING & VIRUS-INFECTION

HOW MANY PEOPLE WASTE THEIR MENTAL POTENTIAL?



**AND STILL MAKE
NO PLACE FOR
GOD IN THEIR
THINKING?**

THE PRIMACY OF

WISDOM

INC. LOOKING AT 33 VERSES OUT OF 223

Exo 28:3 And thou shalt speak unto all that are **wise hearted**, whom I have **filled with the Spirit of wisdom**, that they may make Aaron's garments to consecrate him, that he may minister unto Me in the priest's office.

Deu 4:6 **Keep, therefore, and do them; for this is your wisdom and your understanding in the sight of the nations**, who shall hear all these statutes, and say, Surely this great nation is a wise and understanding people.

Deu 34:9 And **Joshua**, the son of Nun, was **full of the Spirit of wisdom**; for Moses had laid his hands upon him. And the children of Israel hearkened unto him, and did as the LORD commanded Moses.

1Ki 3:28 And all Israel heard of the judgment which the king had judged; and they feared the king; for **they saw that the wisdom of God was in him**, to do justice {judgment}.

1Ki 4:34 And there came of all peoples *to hear the wisdom of Solomon, from all kings of the earth, who had heard of his wisdom.*

1Ki 10:24 And **all the earth consulted** {sought to} Solomon, **to hear his wisdom, which God had put in his heart.**

Jer 9:23 Thus saith the LORD, **Let not the wise *man glory in his wisdom*, neither let the mighty man glory in his might, let not the rich man glory in his riches,**

Jer 10:12 He hath made the earth by His power, He hath **established the world by His wisdom**, and hath stretched out the heavens by His discretion.

Eze 28:5 **By thy great wisdom** *and by thy merchandise {trade} hast thou increased thy riches, and thine heart is lifted up because of thy riches.*

Dan 1:20 And **in all matters of wisdom and understanding**, *that the king enquired of them, he found them ten times better than all the magicians and astrologers that were in all his realm.*

Ezr 7:25 And thou, Ezra, **after the wisdom of thy God**, that is in thine hand, set magistrates and judges, who may judge all the people that are beyond the river, all **such as know the laws of thy God**; and teach ye them that know them not.

Job 12:13 **With Him is wisdom and strength, He hath counsel and understanding.**

Psa 104:24 O LORD, how manifold are Thy works! **In wisdom hast Thou made them all**; the earth is full of Thy riches.

Psa 111:10 **The fear of the LORD is the beginning of wisdom. A good understanding have all they who do His commandments**; His praise endureth forever.

Psa 136:5 To Him **Who by wisdom made the heavens**; for His mercy endureth forever;

Pro 1:7 **The fear of the LORD is the beginning of knowledge**, but fools despise wisdom and instruction.

Pro 1:20 **Wisdom crieth outside; she uttereth her voice in the streets;**

Pro 2:6 For **the LORD giveth wisdom**; out of His mouth cometh knowledge and understanding.

Pro 4:7 **Wisdom is the principal thing; therefore, get wisdom**; and with all thy getting, get understanding.

Ecc 1:13 And **I gave my heart to seek and search out by wisdom** concerning all things that are done under heaven; this severe {sore} travail hath God given to the sons of man to be exercised therewith.

Isa 11:2 And the Spirit of the LORD shall rest upon Him, **the Spirit of wisdom and understanding, the Spirit of counsel and might, the Spirit of knowledge and of the fear of the LORD,**

Luk 2:40 And the Child grew, and *became {waxed} **strong in spirit, filled with wisdom**; and the grace of God was upon Him.*

Act 6:10 And they were **not able to resist the wisdom and the spirit** by which he spoke.

Rom 11:33 **Oh, the depth of the riches both of the wisdom and knowledge of God!** How unsearchable *are His judgments, and His ways past finding out!*

1Co 1:19 For it is written, **I will destroy the wisdom of the wise**, and will bring to nothing the understanding of the prudent.

1Co 2:7 But **we speak the wisdom of God in a mystery**, *even the hidden wisdom, which God ordained before the ages {world} unto our glory;*

1Co 3:19 For **the wisdom of this world is foolishness** with God. For it is written, He taketh the wise in their own **craftiness**.

1Co 12:8 For to one is given, by the Spirit, **the word of wisdom**; to another, the word of knowledge by the same Spirit;

Eph 1:17 That the God of our Lord Jesus Christ, the Father of glory, may give unto you the **spirit of wisdom and revelation in the knowledge of Him,**

Eph 3:10 To the intent that now, unto the principalities and powers in heavenly *places*, ***might be known by the church the manifold wisdom of God,***

Col 1:9 For this cause we also, since the day we heard *it*, *do not cease to pray for you, and to desire that ye might be* ***filled with the knowledge of His will in all wisdom and spiritual understanding;***

Jas 1:5 **If any of you lack wisdom, let him ask of God,** Who giveth to all *men liberally, and upbraideth not, and it shall be given him.*

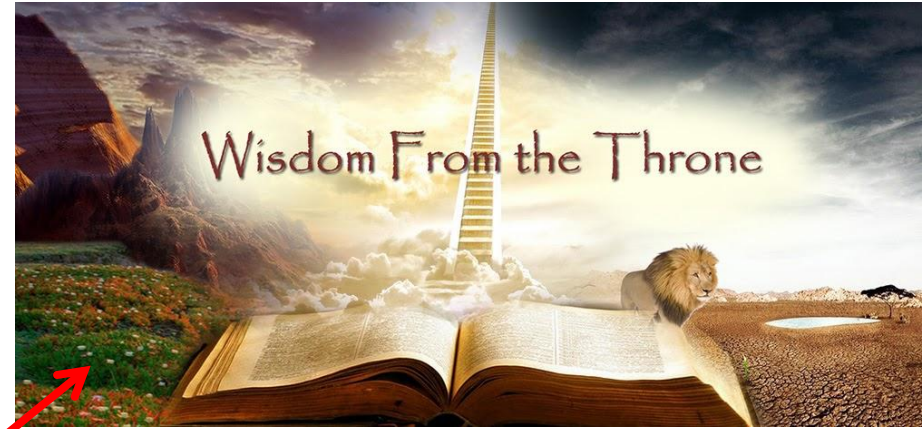
Rev 5:12 Saying with a loud voice, Worthy is the Lamb that was slain to receive power, and riches, and **wisdom**, and strength, and honor, and glory, and blessing.

STRATEGY (WAY & WISDOM)

Gen 18:19 For I know him, that he will command his children and his household after him, and they shall keep **the way of the LORD ...**

Psa 111:10 The fear of the LORD is the beginning of **wisdom ..**

Pro 4:7 Wisdom is the principal thing; therefore, get **wisdom**;



Exo 25:22 And there I will meet with thee, and **I will commune with thee from above the mercy seat**, from between the two cherubim which *are upon the ark of the testimony*, of all things which I will give thee in commandment unto the children of Israel.

Num 7:89 And when Moses was **gone into the tabernacle** of the congregation to speak with Him, then **he heard the voice of One speaking unto him from off the mercy seat** that *was upon the ark of testimony, from between the two cherubim: and He spoke unto him.*



Tabernacle Teachings about Mind Transfer (transformation of the mind)

Exo 33:7 And Moses took the tabernacle, and encamped {pitched} it outside {without} the camp, afar off from the camp, and called it the Tabernacle of the congregation. And it came to pass, that **every one who sought the LORD went out unto the tabernacle of the congregation**, which was outside {without} the camp.

Exo 33:8 And it came to pass, when Moses went out unto the tabernacle, that all the people rose up, and stood every man at his tent door, and looked after Moses, **until he was gone into the tabernacle.**

Exo 33:9 And it came to pass, **as Moses entered into the tabernacle**, the cloudy pillar descended, and **stood at the door of the tabernacle, and the LORD talked with Moses.**

Exo 33:10 And all the people saw the **cloudy pillar stand at the tabernacle door**: and all the people rose up and worshipped, every man in his tent door.

Exo 33:11 And the **LORD spoke unto Moses face to face**, as a man speaketh unto his friend. And he turned again into the camp: but his servant Joshua, the son of Nun, **a young man, departed not out of the tabernacle.**

- any common Israelite could enter the courts
- only the priestly tribe could go beyond and into the Tent of Meeting
- only the high priest could go beyond still into the Holy of Holies once per year on Yom Kippur, The Day of Atonement.

GOD (Omniscient - Who is Wisdom & it's source – Way, Truth & Life)

Creation

- through Wisdom -

Governs

- through Wisdom -

Gifts wisdom to man for His purposes

Breakthrough ideas – the WOW factor

Enhanced by understanding

Better life & culture

Formation of knowledge (by experience of what works)

Witness to the nations

From God's mind to human minds? How?

Only by Word & Spirit – choose God's way or man's? (decision determines destiny), then:

- seek, ask, hear, perceive, sow, cultivate, study, meditate, do, help, witness

BIBLE STUDY CONCLUSION WISDOM = STRATEGY

- **STRATEGY IS ABOUT “WAYS”, SO IS WISDOM**
- **WISDOM BROADER – BEING BOTH STRATEGIC & OPERATIONAL**
- **BOTH STRATEGY AND WISDOM ARE ABOUT ENDS & MEANS :**
 - **PRIMARILY IDENTIFYING & CHOOSING THE RIGHT/BEST ENDS**
 - **JUDGING & CHOOSING THE RIGHT/BEST MEANS**
- **BOTH ARE SIGNIFICANT FOR:**
 - **MASTERING THE ART OF LIVING**
 - **SEEKING & SERVING GOD**
 - **DOING THE JOB GOD HAS GIFTED US FOR**
 - **ACHIEVING THE BEST RESULTS**
 - **ADVANCING VALUE/GOOD**
 - **AVOIDING EVIL (EVIL STRATEGIES ARE CALLED DEVICES)**
 - **CULTURE & COMMUNITY DEVELOPMENT**
 - **LEADERSHIP (ALL KINDS)**
 - **WITNESSING TO THE NATIONS**

Wisdom is so important it needs a series of sermons – LET’S PRAY