

Almost MCQS 😊

There is a computation hypothesis on how data is being computed in the brain on different levels.

Which one is the correct order (sorted from little detail to many details)?

Computational level - Algorithmic level - Implementational level

functionalism

Which of the following options appropriately summarizes functionalism

It is fruitful to define mind by the sort of processes that they carry out, instead of the stuff that they are made of

What does Oja's rule mathematically compute?

What is the correct answer?

Principal Component Analysis

Action Potential

What is the approximate resting potential voltage?

-60mV

Binary tree sort is an example of which tri-level hypothesis of computation?

Algorithmic Level

The thalamus is located at the middle of the brain, above the brain stem.

About the thalamus, it is correct to affirm all **EXCEPT**:

is related to episodic memory and spatial navigation

Why is color weakness (green-red) a male dominant phenomenon?

Because the genes for this lay on the X-Chromosome

The cortical columns are vertical columns going from the cortical surface to the area before the White Matter.

Among all the options, it is **NOT** correct to say that

Adjacent columns does not have similar receptive fields.

Which receptor is closest to the outer skin?

- Merkel's Cell**
- Nociceptors

there are different perception types.

what is it called if one feels its one digestive system

- interoception

Which part is called the gate keeper of the central cortex ?

- Thalamus

The left hemisphere shows:

Which of the answers is **False** regarding the anatomical asymmetries of the left and right hemisphere of the brain?

- frontal lobe is wider

Rods and cones

Which of the following is true for rods?

- Responsible for night vision

Select the option that is **NOT** related to the Peripheral Nervous System.

- It is body's master control unit

How many tastes human are able to perceive?

- 5

which of the following is **False** about Cerebral cortex ?

- Is the inner layer of neural tissue of the cerebrum in humans' and other mammals'

Which theory stated "Neurons that fire together, wire together?"

- B. Hebb's Rule

What is a common way to improve the capacity of Short-term memory?

- Chunking

which is **NOT** a component of the tridimensional theory of feeling?

- soariness

Mini column are the basic functional unit of

- Cerebral Cortex

There are various types of memories in the brain. One of them is Sensory memory.

Which of the following statements is **NOT** true about sensory memory ?

- Sensory memory holds information for about 100 seconds

Approximately how many nerve fibers are there in cochlea?

- 30000

The shape of the cochlea resembles to which one?

- Snail

Sort the following list of electromagnetic radiation from LOW ENERGY to HIGH ENERGY.

Infrared

Radio Waves

UV

Visible Light Blue

Visible Light Red

- Radio Waves, Infrared, Visible Light Red, Visible Light Blue, UV

When measuring the activity of single neurons, we need to place the electrode into our brain. Which one is relatively **not** invasive when recording

EEG

There are two different synapses: electrical and chemical. Which of the statements is **FALSE** for the chemical synapse?***

A rapid transfer from one cell to the next occurs.

What is the job of Somatic Nervous system?

Sensory information from sensory organs to the CNS

When we talk about psychology, what do you understand?

is the scientific study of mind and behavior

"You will pass this exam if you have covered every topic diligently"

What type of representation is this?***

Rule

Which of the following is correct?

The Broca's area which is in charge of speech production, is located on the frontal lobe

The whole is more than the sum of its parts.

Which of the following psychological approaches suit this statement?*

Gestalt theory

The sound that we can capture with our ears consists of

Pitch – sound frequency

Loudness – amplitude

Timbre – type or quality

In the development of the neural system, hox genes specify regions of the body plan.

Which of the following statements is **false**?

Hox genes only occur in humans.

Whole cerebral cortex divided into _____ broadmann areas.

- 52

Damasio's Theory of Consciousness is one of the 3 Major Theories that explain the meaning of Consciousness.

Which one of the following is **NOT** a part of the 'Hierarchy of Stages' of Damasio's Theory of Consciousness?***

- Cognitive consciousness

Which of the following System is **NOT** part of the Global Workspace Theory of Consciousness?***

Disclosure System

A visual scene is analyzed in 3 levels, What is **NOT** an example for low-level processing?

- surface depth

„I stand at the window and see a house, trees, sky. Theoretically, I might say there were 327 brightnesses and nuances of color. Do I have 327? No. I have sky, house, and trees.“ (Max Wertheimer)

Which of the following is the psychology described by Max Wertheimer?

- Gestalt psychology

There are many different cells in the retina.

which statement about those cells in **WRONG**?

- Rods have their own processing pathway

Philosophy is part of cognitive science.

What **DOESN'T** Philosophy do to help investigate in cognitive science?

- generating results

Which area has the most neurons in the brain

- Cerebellum (69 billion neurons)

Nervous system, internal & external reflexes

What is the difference between internal and external reflexes? **

Internal reflexes occur in **same muscle**, external reflexes occur in **different body parts**

Which statement about the human brain is **NOT** true?

Neurons that wire together are more unlikely to fire together, as this would come with increased risk of "traffic jam" and thus slow down the brain.

A visual scene is analyzed in 3 levels

What is **NOT** an example for intermediat-level processing?

Disparity

Which one is key player in overall maintenance and reacts, to infection and injuries

Neurons and Glia

Microglia

Select the attributes of sensation according to Structuralism --

Quality, Intensity, Extensity, Duration & Clearness

Which of the following is not a part of gestalt learning?—

Readiness

The earliest forms of brain interface devices focused primarily on which task? --

converting physical stimuli to neural activity

The brain controls the movements of the body.

Which statement about motor processes is **false**?*

movement of limbs is performed by the smooth muscles

Which taste is strongly pH-dependent? **

Sour

There are different theories competing around the psychology of humans (and animals).

Which one studies the actions of a subject when confronted with a specific situation and suggests that the mind is a black box?*

- Behaviourism

Sense of taste called _____ ? --

- Gustation

There are different areas in the brain that can control movement.

When is your movement controlled by the basal ganglia?*

- when you have trained the movement so many times that you don't have to concentrate a lot on it and still do just fine.

Lesioning

Who was Phineas Gage?***

- Patient, whose left frontal lobe was destroyed, which causes changes in his behaviour

The Brain has two sides and due to lesions there where differences found between them.

Which statement is **NOT** true? *

the left and right hemisphere are built up in the same way (same sizes of each area)

What is the resting potential in most neurones?

-60mV

Which lobe is most closely associated with visual processing? --

Occipital Lobe

Which of these is responsible for the time difference in binaural hearing?

What is its primary function?*

Inferior Colliculus

In some brain areas, there is continual turnover of neurons—old ones die and new ones are born—and these new neurons can participate in circuits that underlie learning.**

Which part of the brain is able to build new neurons even in adults?

Hippocampus

The Central Nervous System consists of 2 major types of cells : Neurons and Glial cells.

What is the main function of Oligodendrocytes

Myelination

What are the core disciplines of cognitive neuroscience

Intersection of philosophical, biological, computational and cognitive disciplines

what are muller cells? --

light guides

What is the acronym for CNN?

E. Convolutional Neural Networks

Which taste does **not** rely on binding the tastant to the receptor?--

Sour

Name the brain cell from the following list that is necessarily the predecessor of all other listed brain cells. --

stem cell

Rods are part of the photoreceptors in the retina.

When are rods the most active? --

At dusk and dawn

What is the first region that receives auditory input in the brain?

- Primary auditory cortex

Which of the following is not a basic taste sensation of the tongue?

- Hot

Regarding lesion studies which definition of cortical blindness is TRUE?****

What is cortical blindness?

Cortical blindness is the total or partial loss of vision caused by damage to the occipital cortex.

What is N400 wave? --

Brain's reaction to semantic violations

Four mechanoreceptors are responsible for the sense of touch

Which of the following is **not** responsible for sense of touch? **

- anterior cingulate cortex

Choose the correct answer.

(only one applies) *

- The cerebellum is involved in the temporal coordination of movements

Which of the following wavelength ranges are humans able to see?

- 400 - 700nm

The neocortex makes up 90% of the cerebral cortex and has a characteristic structure.

Which of the following statements on cortical layers is true?

- Histological differences in the cortical layers correspond to functional differences between different areas of the cortex.

converts sound signals to electric signals in the inner ear?

which organ converts sound signals to electric signals in the inner ear?

Cochlea

Which area of the brain is responsible for Language Generation ?

Broca's area

The brain develops throughout lifetime.

Which of the following terms describes the strengthening of a synapse?

Long term potentiation

What type of muscle group **can't** we consciously control?

Cardiac muscle & Smooth muscle

What connects CNS to PNS? --

Spinal cord

With which CNN architecture can be the ventral and dorsal system be compared?

Yolo

What taste can be detected if the the tongues receptor channels receive an Na⁺ ion?

Salt

For the encoder decoder principle there are different methods that can be used for the feature reduction step.***

Which statement is **FALSE**?

VQ ist a parts based method

The cerebral cortex consists of different parts.

Which one is **NOT** a part of the cerebral cortex?

insular cortex

The limbic system consists of the Amygdala and the Hippocampus.

What is a function of the Hippocampus?

Episodic Memory

Which is the primary sensor receptor cell of somatosensory system?

Dorsal root ganglion cell

Which of these taste sensation involves ion channel?

Salty

Pruning synapse = making networking?

sparse

What is the main purpose of pruning in deep neural networks?

Removes unimportant weights from the network to speed up learning and classification process

The Central Nervous System is splitted on...

Spinal Cord, Brain Stem and Brain

Wada-Test

What is the Wada-Test?

Its a test, which of the two hemispheres is responsible for a specific task

Neurons fire if a certain activation threshold is reached. In this context one can use a integrated fire model.***

What is an integrated fire model?

It models the summation of the dendrites signals and integrates them

In machine learning single perceptrons are used. The concept is copied from neurons.***

Which of the following statements about logical operations is true?

"or" is feasible with a single perceptron

the BOLD effect is used in medical imaging

Which Statement about the BOLD effect is wrong?

In an active brain area the blood oxygen level is lower because the neurons consume the oxygen

Cognitive neuroscience understanding

What is cognitive neuroscience? --

Study of mind

Which of the following are **NOT** part of the central nervous system?

Sympathicus

In sodium channels, they are voltage-gated, meaning that they only open if a specific voltage is applied.

What is the correct process?

Resting - Depolarization-activated -maintained depolarization- Inactivated – repolarization

Which kind of pruning makes the network sparse

Pruning Synapses

Give the explanations for the following somatosensory categories in the correct order:
Proprioception...Exteroception...Interoception ***

Sensing oneself, Sensing the outside world, Sensing the inside world

Hudson was cooking his breakfast when he forgot to turn off the stovetop element. While cleaning up, he put his hand on the ceramic surface and the intense heat caused him to retract his hand. Though a minor burn, which of the following is the type of pain he endured?***

Nociceptive Pain

Representation is fundamental for cognitive science

Which of the following is **not** a feature of representations?

Formal

Which statement about the human brain is **WRONG**?

The nervus opticus (Sehnerv) from the left eye does NOT cross the nervus opticus from the right eye.

Which of the following option best describes the idea of Voluntarism?

Mind consists of elements assembled into higher cognitive components through the power of will

Select the correct statement about spiking neural networks:

Spiking neural networks use spike trains for output & input instead of a final signal

Neurons are a important cell type in the brain of all mammals.

What is **NOT** true about neurons?

every neuron looks the same

Cognition is equivalent to computation / information processing. Information processors represent and transform information

Hypothesis

What is **NOT** involved during signal transmisson via neurons?

Choose the **false** option

Cl- channels

Which technique does not require direct access to the brain?

magnetoencephalography

The basal ganglia processes signals. It can have disorders though. --

Which statement is **FLASE**?

if the direct path is broken it results in huntingtons desease

What is the true statement about the correlation-based plasticity rule?

The correlation-based plasticity rule only allows for LTP.

A specific brain structure has the task to relay sensory input to the cerebral cortex, which one is it?

Which of the following structures is the gate keeper of the cerebral cortex?

Thalamus

Which parameter/variable does NOT influence the electrochemical voltage according to the Nernst equation?

anode/cathode current

What is auditory system?--

Sensory system for the sense of hearing

Which Gestalt principle is seen in a grid of dots, where each row has a different color.

Similarity

Neurons can implement logical functions

Mark the one **wrong** statement

The XOR problem describes the fact that we can implement a XOR function with a single neuron.

Which area of the brain is responsible for Language Comprehension?

Wernicke's area

During the maturation of a neuron it transitions through five stages:

1. Initiation
2. Outgrowth
3. Branching
4. Spine Formation
5. Stopping/Pruning

Which of these states is most important for dynamic and efficient connections?

Stopping/Pruning

Hammer, anvil, and stirrup are all part of human's_____?

Ear

The lipid bilayer between cytoplasmic and extracellular acts as a barrier for ion diffusion and gives rise to an electrical potential across this lipid bilayer, that we call it Membrane potential, or V_m : voltage (charge diff.) across the neuronal membrane;

high concentrations of sodium and chloride ions (Na^+ , Cl^-) in the cytoplasmic site and low concentrations in the extracellular site.

Gestalt Laws are laws describing the perceived visual reality.

Which Gestalt Law implies that parts that are close to each other are grouped together?

proximity

Which of the following can be assessed by measuring brain activity?

day-dreaming recalling memories speaking aloud

each neuron consists of how many synapses?

10.000 synapses

In which part of the human brain is vision mostly computed?

occipital lobe / Visual Cortex

Functional Magnetic Resonance Imaging allows visualizing neural brain activity.

Within the context of fMRI, what is the BOLD effect?

Oxygenated blood can be correlated with a high T_2^* constant.

Connection between two neurons is called?

Synapses

Is the outer layer of neural tissue of the cerebrum in humans' and other mammals' brains.

Cerebral Cortex

The retina contains millions of light-sensitive cells and other nerve cells that receive and organize visual information.

which of the following is NOT found in the retina?

Ossicles

Cognitive Science is **not** the sum but the intersection of all these disciplines. Which answer covers all the disciplines that are meant in the above statement?

Which of the following answer choices names all of the disciplines part of cognitive science?

Biological, computational, cognitive discipline

Which tongue papillae are taste buds **NOT** associated with?

D. filiform

The Cerebral Cortex consists of different areas.

Which lobe is **not** a part of the Cerebral Cortex?

Insular Lobe

choose one of the Left hemisphere function?

Right body motor control

Which one is the study of Knowledge and asking questions?

Epistemology

What is the Amygdala's main responsibility?

Emotions

Chunking is ...

Grouping elements to increase memory capacity

which one enables us to distinguish between sound as speech, music, and sound?

Frontal temporal system

The basal ganglia comprise

the caudate, putamen and globus pallidus

To generate an action potential the excitation of the dendrites of a neuron is necessary.***

Which statement is **FALSE**?

the action potential is as big as the combined potential at the dendrites

To obtain data in Psychology, scientific methods are used.

What is **not** a scientific method in psychology?

ECG

Hebb's rule states that "Neurons that fire together, wire together." Based on that, different synaptic plasticity rules have been established.***

Which of the following statements is true?

The correlation-based plasticity rule can only model long-term potentiation of synapses.

Which brain structure is important in acquiring new motor tasks?

Cerebellum and motor cortex

Nvidia published a brute force study in which it introduces a simple way of pruning. Select the one that is **NOT** part. –

Add a connection in order to remove a Neuron

Neural development

" Neural development is a marathon, not a sprint"

We want to see brain development from looking at early days of an embryo's cell, The cell contains of: **

Neural ectoderm-Mesoderm-Endoderm

We have 4 mechanoreceptors in the dermis and epidermis, they are a type of somatosensory receptors which relay extracellular stimulus to intracellular signal transduction through mechanically gated ion channels. ***

Which of the mechanoreceptors is **NOT** associated with the mentioned stimulus?

Ruffini ending: vibration

Regarding the representations in the Physical symbol system hypothesis (Newell and Simon, 1976) –

Since Machines are not physically connected to the real environment, they cannot acquire meaning.

Checking whether a neuron is excited and firing is a very important task in neuroscience. This can be done by letting parts of it light up (fluoresce) if it sees an action potential. ***

What is the way to go if one wants to only have fluorescence when the neuron is firing?

Binding GFP to a Calcium binding domain as Calcium indicated neural activity.

Cognitive neuroscience seeks to understand the _____ underlying human thoughts and behaviors is called: --

brain activity

The taste system consists of 3 types of taste papillae, on which taste buds are located.

Which of the mentioned **papillae does not** have taste buds?

Filiform Papillae

The lipid bilayer between cytoplasmic and extracellular acts as a _____ for ion diffusion --

Neurons

barrier

If you want to weaken the connection between neuron you can shrink the synapse by storing less neuro-transmitter called

Long-term-depression

The working memory --

contains the episodic buffer • contains the phonological loop • contains the visual-spatial scratch pad • is controlled by the central executive

How we sense sweet, bitter and umami ?

- Receptors

The inferior and superior colliculi compose the

- tectum

Hebb's rule

Mark the **wrong** statement

- Intensifying a connection is also known as LTD

Carl Wernicke was a German physician and studied receptive aphasia. Which of the following statements are **wrong** regarding his studies?***

Which of the following statements is **FALSE** regarding Wernicke's area?

Wernicke's area is in the left posterior inferior frontal gyrus.

Which of the following is NOT a Nociceptor --

- Bradykinin

The first step in the scientific method is to make a?--

- observation

The basal ganglia, or basal nuclei, are a group of subcortical nuclei, of varied origin, in the brains of vertebrates.

What happens if the basal ganglia is damaged?*

Damage to the basal ganglia cells may cause problems controlling speech, movement and posture

The earliest forms of brain interface devices focused primarily on which task?

converting physical stimuli to neural activity

Neural activity of single cells can be measured to gain insights on connectivity.

Which of the following is the least invasive method for measuring cell potentials?

EEG

Which of the following key words is WRONG when talking about the cerebral cortex? --

involuntary movements

Which of the following is NOT one of the Gestalt Psychology's principles?

Size

The limbic system is part of processing emotion and memory. Which of the listed answers list both of the major structures of the limbic system?

What are the two major structures of the limbic system?

Amygdala and Hippocampus

Which of the following functionalities is primarily associated with the right hemisphere of the brain?

Choose the right answer

face recognition

Cortical area is needed for the processing of sensation. The somatosensory homunculus helps to understand how the relation of body parts and size of cortical area is. ***

What is **NOT** true about the somatosensory homunculus?

the tongue of the homunculus is very small.

Representations can have different features.

Which one is **NOT** a feature of a representation?

Indirect reference

When trying to understand the functional units of the brain it is often observed what happens when a part of the brain is not functioning/ destroyed/ has a lesion.

Which of the following statements is **not** true?

If Wernickes area doesn't work one cannot smell anymore (W.A is necessary for writing and speaking language)

What are lesion studies?

draw conclusion of function and impairment of certain brain area

Which sense/sensation can you NOT experience in your dreams, because the respective nerve fibers are NOT connected to the Thalamus but directly to the other brain parts? The question talks about IMAGINED inputs, NOT real world inputs. IMAGINED input may be based on REMEMBERED real world inputs though. *

Smelling

Pain is perceived due to an encoded channel

which statement is **WRONG**?

Existing disorders of the pain perceivment are easy to treat because one only has to compensate for one channel

The illusion of seeing an incomplete stimulus as though it were whole.

Which principle of Gestalt psychology on perceptual organization is this?

Closure

The limbic system includes?

amygdala, hypothalamus, hippocampus

which makes up the majority of luminance but isn't yellow that has highest Luminance?

which color has the highest luminance

green

Astrocytes are part of the brain cells and have different functions. Which one of the functions does **not** belong to Astrocytes?

- immune cells of central nervous system

The McCulloch-Pitts Neuron is a mathematical model of neuron.

Which logical operation cannot be performed by the McCulloch-Pitts neuron ?

- XOR

when processing the signal that is acquired in the retina there are many steps.

which statements are **false**?

The signal goes from the retina directly to V1 --> V2 --> V3 --> V4 --> IT --> PF with increasing receptive field

When testing a theory, scientists must be especially careful to avoid:

belief bias

Give the primary function of the following memory types:

Sensory Memory, Short-term memory, Working memory, Long-term memory **

- Holds information from sensory organs || Holds but doesn't manipulate a small amount of information || Holds information temporarily and enables manipulating information || Takes information from the short-term memory and creates long lasting memories

In how many levels is a visual scene analysed?

- 3

Which nervous system prepares the body for action/stress

Sympathicus

Gestalt Principles

Which of the following is **NOT** a Gestalt Principle--

- Additivity

The nervous system split into hierarchical parts. Which of the following statements regarding the nervous system is **FALSE**? *****

Which of the following statements is **FALSE** regarding the nervous system?

The sympathetic calms the body and helps conserve energy.

How much do the middle-ear ossicles amplify the vibration pressure?

Choose a rough approximation

20

a brain consists of ... neurons?

100 Billion

The Brain constantly changes in its exact construction. *

Which statement about the brains growth/development/changes is NOT true?

The layout of the Hox Genes is fundamentally different to the layout in the body

Due to Freud's Psychoanalytic psychology, which one is completely in the unconscious mind?

Id

When checking a hypothesis in psychology one uses a scientific method. ***

Which statement concerning the workflow of the method is correct?

the dependent variable is the measurable effect of the independent variable

Given the answers below at which wavelength do rods have the highest spectral sensitivity?

500 nm

Which muscle type can be moved voluntarily?

Skeletal Muscle

Which area in the brain is responsible for temporal coordination of movements?

Cerebellum

A neuron can have multiple dendrites and thus receives multiple inputs depending on the neuron type of one hundred of thousands always have a single Axon that carries out put signal

Neurons typically consists of:

Dendrites-cell body-Axon

Which of the following controls the blood brain barrier and blood flow?

Asrocytes

Which of the following is strongly influenced by Darwin's theory of natural selection in Psychology and historical approaches,

Functionalism

Limbic system contains Amygdala and Hippocampus.

Which of the following is NOT the function of the Hippocampus?

Emotional responses

Which of the methods below for measuring action potentials is most invasive?

Pick the answer that fits best

Local field potentials

What does an electroencephalogram (EEG) measure?

Measures potentials in the skull

Approximately how many neurons does a microcolumn contain?

100 neurons

In comparison to the cones, the rods are more?

what do rods do?

B. sensitive to dim light

Which order of the visual cortex system correspond with the order of detecting "edges and lines" -> "shapes" -> "objects" -> "faces"?

V1 -> V2 -> V4 -> IT

Pruning in deep neural networks can be described with different statements. Which of the statements is FALSE?

Which of the following statements is FALSE?

Pruning neurons makes the network sparse.

Where would you see the nodes of Ranvier?

on an axon

Hebb's law

neurons that fire together wire together

Given the two activation neuron X_i and X_j

what is the mathematical operation between X_i and X_j to find W_{ij}

Multiplication $W_{ij}=X_i*X_j$

If we distinguish things by their actions or tendencies

according to what school of mind we are explaining

functionalism

Regarding the definition of psychology, internal mental and external events are mentioned. Which of the following answers belongs to external events?

- behavior

What is NO layer of the early fertilized cell?

Paraxial ectoderm

Which method focuses on three tiered system of consciousness

Psychoanalytic psychology

The cerebral cortex is grouped into 4 parts, the frontal lobe, the parietal lobe, the occipital lobe and the temporal lobe. All of these parts have a specific association area, which association area belongs to the parietal lobe? **

Which association area is part of the Parietal lobe?

- somatosensory association area

A person unable to remember names long enough to write them down has trouble with:

- short term memory

Let's have a look into the structure of a neuron. Give the task of each of the following parts: Node of Ranvier, Myelin sheath, Axon ***

Refresh the signal, Allow fast transaction and a low-noise environment, Transmit the electrical signal over large distances

which one controls a person's action in behaviorism?

- environment

The brain processes the signals acquired in the retina.

Which statement about the process is FALSE?

- it is clear that face recognition works via sparse coding

Which of the following is responsible for transforming mechanical waves to electrical signals in inner ear?

- Organ of corti

Which part of the Nervous System relays output signals to the muscles

Spinal Cord

Give the correct order for the maturation of a neuron.

Initiation, Outgrowth, Branching, Spine formation, Stopping/pruning

Which of the following elements/units is **not** in the central nervous system

Autonomic nerve system

Interaction between neuron commonly occur across junction called?

Synapse

the location of somosensation receptors in the skin largely influences their properties. when a sensor is located in the dermis of the following statement is true?

Larger preceptive field

Which lobe is primarily responsible for hearing and language?

Temporal lobe

a neuron fires when?

Depolarization exceeds the threshold for excitation

Membrane potential is the difference in electrical charge between?

Inside and outside of the cell

Pain killer development is not easy. Which of the following statement is **False?**

Voltage-gate sodium channels are very dissimilar to each other

What is tri-level hypothesis? Which one is correct in sequence?

Computation, Algorithmic – implementation

Which of the following neuron types carry pain signals?

Ganglion cell of dorsal root neuron

In which century psychology comes?

19th

What is not the role of neurons?

Oxygen distribution

Complex input/output mapping realized by

Basal Ganglia

What's the problem of using XOR using a neuron/perceptron?

XOR cant be realized with one single perceptron

Basic fundamental of monism?

There is only one kind of state or substance in the universe.

Who created the world largest database for brain injuries?

Antonio Damasio

What is implicit memory?

Unconscious memory

We have four different brain cells, which one of the following is **NOT** a brain cell?

Hepatocytes

Where is Merkel cells located?

Epidermis

Our brain has two hemisphere, namely left and right

Functionality hardwired to left hemisphere of the brain ***

Language

There are 5 statement below, all stement true to different gilal cells in our brain*****

Which of the following is true for RADIAL cell?

It is a type of stem cell that is able to make neurons as well as other types of glial cells (astrocytes and oligodendrocytes)

If you are having a problem with your vision then it's likely that there could be a problem with your

Optical lobe

