

What is the main function of the central nervous system

- A. To digest food
- B. To regulate body temperature
- C. To pump blood
- D. To control and coordinate body functions

Answer: D. To control and coordinate body functions

Which two main components make up the central nervous system

- A. Stomach and intestines
- B. Kidneys and liver
- C. Brain and spinal cord
- D. Heart and lungs

Answer: C. Brain and spinal cord

What is the outer layer of the brain called

- A. Grey Matter
- B. Outer Shell
- C. Cerebral Cortex
- D. Brain Skin

Answer: C. Cerebral Cortex

What is the largest part of the brain

- A. Brain stem

- B. Cerebellum
- C. Hippocampus
- D. Cerebrum

Answer: D. Cerebrum

What is the purpose of the spinal cord in the central nervous system

- A. To support the back
- B. Transmission of signals between the brain and the rest of the body
- C. To digest food
- D. To produce hormones

Answer: B. Transmission of signals between the brain and the rest of the body

What is the role of neurotransmitters in the central nervous system

- A. To transmit signals between neurons
- B. To store memories
- C. To regulate blood sugar levels
- D. To produce ATP for energy

Answer: A. To transmit signals between neurons

What is the function of the cerebellum in the brain

- A. Memory storage
- B. Coordination of movement
- C. Regulation of body temperature
- D. Digestion control

Answer: B. Coordination of movement

What is the main function of the brainstem

- A. Process visual information
- B. Regulate basic bodily functions
- C. Control emotions
- D. Store long-term memories

Answer: B. Regulate basic bodily functions

What is the function of the thalamus in the central nervous system

- A. Relay sensory information to the cerebral cortex
- B. Produce hormones
- C. Regulate body temperature
- D. Control muscle movements

Answer: A. Relay sensory information to the cerebral cortex

What is the purpose of the hypothalamus in the brain

- A. Regulates body temperature and controls hunger and thirst.
- B. Stores long-term memories.
- C. Controls muscle movements.
- D. Regulates heart rate.

Answer: A. Regulates body temperature and controls hunger and thirst.

What is the primary neurotransmitter involved in muscle movement in the central ne

- A. Serotonin
- B. GABA
- C. Dopamine
- D. Acetylcholine

Answer: D. Acetylcholine

What is the purpose of the limbic system in the brain

- A. Processing visual information
- B. Emotional regulation and memory processing
- C. Regulating body temperature
- D. Controlling motor functions

Answer: B. Emotional regulation and memory processing

What is the main function of the cerebral cortex

- A. Muscle movement
- B. Regulation of heartbeat
- C. Digestion
- D. Higher brain functions

Answer: D. Higher brain functions

What is the function of the corpus callosum in the brain

- A. Regulates heart rate

- B. Processes visual information
- C. Connects the two hemispheres of the brain
- D. Controls breathing

Answer: C. Connects the two hemispheres of the brain

What is the purpose of the pituitary gland in the central nervous system

- A. Regulating hormone production
- B. Producing neurotransmitters
- C. Filtering blood
- D. Controlling muscle movement

Answer: A. Regulating hormone production

What is the role of the hippocampus in the brain

- A. Processing visual information
- B. Regulating body temperature
- C. Controlling heart rate
- D. Memory formation and retrieval

Answer: D. Memory formation and retrieval

What is the main function of the ventricles in the brain

- A. To produce hormones
- B. To pump cerebrospinal fluid
- C. To store memories
- D. To regulate body temperature

Answer: B. To pump cerebrospinal fluid

What is the purpose of the meninges in protecting the central nervous system

- A. To produce cerebrospinal fluid
- B. To protect the central nervous system
- C. To regulate body temperature
- D. To transmit electrical signals

Answer: B. To protect the central nervous system

What is the function of the amygdala in the brain

- A. Vision processing
- B. Muscle coordination
- C. Emotional processing
- D. Memory storage

Answer: C. Emotional processing

What is the primary role of the central nervous system in the body's overall function

- A. To regulate blood pressure
- B. To digest food
- C. To control and coordinate all bodily activities
- D. To produce hormones

Answer: C. To control and coordinate all bodily activities

