Elementary Mind and Brain Science

Psychology · Answer Key · 9 Questions

1. Which almond-shaped part of the brain is primarily responsible for processing emotions like fear?

A) Hippocampus
B) Amygdala
C) Cerebellum
D) Medulla

2. What is the main function of the hippocampus in the human brain?

A) Controlling automatic breathing
B) Forming new long-term memories
C) Filtering visual light
D) Regulating body temperature

3. In Ivan Pavlov's classical conditioning experiments with dogs, what was used as the neutral stimulus before training?

A) Food
B) A bell sound
C) Saliva
D) A bright light

4. Which specialized cells in the human retina allow us to see colors in bright light?

A) Rods
B) Cones
C) Axons
D) Dendrites

5. Which part of the brain located at the back of the head controls posture, balance, and motor coordination?

A) Cerebrum
B) Cerebellum
C) Hypothalamus
D) Thalamus

6. Which sleep stage is characterized by vivid dreaming and rapid eye movement?

A) NREM Stage 1
B) NREM Stage 2
C) Deep Sleep
D) REM Sleep

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7. Which chemical messenger in the brain plays a central role in feeling pleasure, motivation, and reward?

A) Dopamine
B) Melatonin
C) Insulin
D) Thyroxine

8. What two organs together form the human Central Nervous System (CNS)?

A) Brain and spinal cord
B) Heart and lungs
C) Stomach and intestines
D) Nerves and muscles

9. What term describes when sensory receptors become less sensitive to an unchanging stimulus, such as a constant background smell?

A) Selective attention
B) Sensory adaptation
C) Cognitive dissonance
D) Memory consolidation

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