

ASVAB-SECTION-7^{Q&As}

ASVAB Section Seven: General Science

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QUESTION 1

What animal has the heaviest brain?

- A. human
- B. elephant
- C. rhinoceros
- D. sperm whale

Correct Answer: D

QUESTION 2

A series of cell divisions that results in the formation of an embryo is called _____.

- A. mitosis
- B. meiosis
- C. osmosis
- D. cleavage

Correct Answer: D

QUESTION 3

Simple eukaryotes, such as protozoa, would be categorized as _____.

- A. Protista
- B. Fungi
- C. Plante
- D. Monera

Correct Answer: A

QUESTION 4

A lunar eclipse occurs when _____.

- A. the earth moves into the moon's shadow
- B. the sun blocks the moon from view
- C. the earth moves into the sun's shadow
- D. the moon moves into the earth's shadow

Correct Answer: D

QUESTION 5

A pot sitting on a hot burner is an example of _____.

- A. Convection
- B. Conduction
- C. Insulation
- D. Radiation

Correct Answer: B

Explanation:

Conduction is where heat is directly transmitted from a hot object to a cooler object.

QUESTION 6

The brainstem connects the brain to the _____.

- A. heart
- B. lungs
- C. neck
- D. spinal cord

Correct Answer: D

QUESTION 7

The largest moon in the solar system is _____.

- A. Ganymede

- B. Titan
- C. Io
- D. Charon

Correct Answer: A

QUESTION 8

The half-life of iodine-131 is 8 days.

Approximately how long would it take for 1 milligram of I-131 to decay to 1/2 milligram of I-131?

- A. 4 days
- B. 8 days
- C. 2 weeks
- D. 1 month

Correct Answer: D

Explanation:

If the amount of I-131 is reduced by one-half every 8 days: 8 mg (8 days), 4 mg (8 days), 2 mg (8 days), 1/2 mg.

It would take 32 days (approximately 1 month).

QUESTION 9

The spinal cord is part of the _____.

- A. circulatory system
- B. nervous system
- C. respiratory system
- D. digestive system

Correct Answer: B

QUESTION 10

Which part of the atom helps determine its atomic number?

- A. neutron
- B. electron
- C. anion
- D. proton

Correct Answer: D

QUESTION 11

Unlike most other fish, sharks have no _____.

- A. gills
- B. bones
- C. liver
- D. heart

Correct Answer: B

QUESTION 12

Which blood cells are responsible for delivering oxygen to the body?

- A. white blood cells
- B. red blood cells
- C. platelets
- D. thrombocytes

Correct Answer: B

QUESTION 13

What cell structure is not shared by both animal and plant cells?

- A. ribosome

- B. cell wall
- C. mitochondria
- D. nucleus

Correct Answer: B

QUESTION 14

The glucose content of the blood is regulated by _____.

- A. insulin and adrenaline
- B. nerve stimulation
- C. ACTH
- D. progesterone

Correct Answer: A

Explanation:

The relative concentration of glucose is maintained by the combined action of insulin from the pancreas and adrenaline from the adrenal medulla.

QUESTION 15

The number of atoms in a molecule of $\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$ is _____.

- A. 15
- B. 18
- C. 21
- D. 29

Correct Answer: C

Explanation:

The hydrate $\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$ contains 6 atoms in the salt C_{11}SO_4 (1Cu + 1S + 4O). The five loosely bonded water molecules contain 15 atoms (10H + 5O). The total number of atoms is $6 + 15 = 21$.

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