

ASVAB-SECTION-7^{Q&As}

ASVAB Section Seven: General Science

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QUESTION 1

What blood type is considered the universal recipient?

- A. B
- B. O
- C. AB
- D. A

Correct Answer: C

QUESTION 2

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

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

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

Correct Answer: D

Explanation:

If the amount of 1-131 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 3

What is the scientific notation for 832,000?

- A. 8.32×10^{-2}
- B. 8.32×10^2
- C. 8.32×10^{-5}
- D. 8.32×10^5

Correct Answer: D

Explanation:

To express a number in scientific notation, you move the decimal as many places as necessary until there is only one digit to the left of the decimal.

For 832,000, you move the decimal to the left by 5 decimal places.

QUESTION 4

The Aurora Borealis can be seen only in the _____.

- A. winter
- B. summer
- C. Southern Hemisphere
- D. Northern Hemisphere

Correct Answer: D

QUESTION 5

Muscles attach to bone with _____.

- A. connective tissue
- B. ligaments
- C. tendons
- D. rubber bands

Correct Answer: C

QUESTION 6

The heat we get from the sun is what type of heat transfer?

- A. radiation
- B. convection
- C. conduction

D. direct

Correct Answer: A

QUESTION 7

Blood leaving the lungs is _____.

A. hydrogenated

B. coagulated

C. watery

D. oxygenated

Correct Answer: D

QUESTION 8

In vertebrates, which substance gives red blood cells their color?

A. carotene

B. dopamine

C. melanin

D. hemoglobin

Correct Answer: D

Explanation:

Hemoglobin, used by all vertebrates and some invertebrates to transport oxygen and carbon dioxide in the body, gives red blood cells their color.

QUESTION 9

Atoms are most tightly packed in _____.

A. solids

B. gas

C. liquids

D. all of the above

Correct Answer: A

QUESTION 10

Of these options, which is the most specific category of biological classification?

A. genus

B. phylum

C. domain

D. species

Correct Answer: D

QUESTION 11

Which of the following isn't a type of telescope?

A. Newtonian

B. Copernican

C. Gregorian

D. Hershelian

Correct Answer: B

QUESTION 12

Which of these statements is false about the periodic table?

A. The rows of elements are called periods.

B. The columns of elements are called a group.

C. Elements are arranged in order of increasing atomic number.

D. The far left column contains a group called the noble gases.

Correct Answer: D

QUESTION 13

_____ is the reason it is harder to stop a baseball flying at 100 MPH than it is to stop a baseball flying at 50 MPH.

- A. Velocity
- B. Momentum
- C. Mass
- D. Volume

Correct Answer: B

Explanation:

Momentum equals mass (amount of matter in an object) times velocity (speed in a given direction).

QUESTION 14

What does the term forensic mean?

- A. pertaining to law
- B. pertaining to death
- C. pertaining to medicine
- D. pertaining to life

Correct Answer: A

QUESTION 15

Which type of clouds are the lowest and responsible when fog occurs?

- A. trophic
- B. stratus
- C. cumulus
- D. cirrus

Correct Answer: B

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