ASVAB-SECTION-7^{Q&As}

ASVAB Section Seven: General Science

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QUESTION 1

Which substance can be used to treat drinking water of questionable purity?

A. ammonia

B. chlorine

C. hydrogen chloride

D. iodine

Correct Answer: D

Explanation:

Iodine crystals in a small bottle of water make a saturated aqueous solution. A few milliliters of this solution

added to a quart of water will destroy most organisms in an hour.

QUESTION 2

Which of the following is not one of the 6 basic animal groups?

A. Birds

B. Mammals

C. Humans

D. Invertebrates

Correct Answer: C

Explanation:

The six basic animal groups are birds, mammals, invertebrates, fishes, reptiles, and amphibians.

QUESTION 3

Via which of the following unoxygenated blood travels to the heart?

A. arteries

B. veins

C. capillaries

D. aorta

Correct Answer: B

Explanation:

Veins carry blood devoid of oxygen to the right atrium of the heart.

Arteries, capillaries, and the aorta carry oxygenated blood from the heart to blood cells throughout the

body.

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

The speed of light in a vacuum is about _____.

A. 186,000 miles per hour

B. 186,000 kilometers per hour

C. 186,000 miles per second

D. 186,000 feet per second squared

Correct Answer: C

Explanation:

The speed of light in a vacuum is about 186,000 miles per second.

QUESTION 6

The member of the solar system with the shortest period of solar revolution is a _____.

A. planetary satellite

B. asteroid

C. planet

D. comet

Correct Answer: C

Explanation: The planet Mercury orbits the sun in 88 days.

QUESTION 7

The category of weather system with the highest velocity winds is the _____.

A. thunderstorm

B. tornado

C. hurricane

D. sea breeze

Correct Answer: B

Explanation:

Wind velocities of tornados have been measured in excess of 250 miles per hour.

QUESTION 8

Minerals are necessary for _____.

A. respiration

B. eliminating waste

C. preventing night blindness

D. metabolic function

Correct Answer: D

QUESTION 9

Shale, gypsum, coal, and sandstone are examples of which type of rock?

A. gneiss

B. metamorphic

C. sedimentary

D. igneous

Correct Answer: C

QUESTION 10

The energy possessed by a moving object is called _____ energy.

A. acceleration

B. potential

C. kinetic

D. true

Correct Answer: C

QUESTION 11

Which part of the atom helps determine its atomic number?

A. neutron

B. electron

C. anion

D. proton

Correct Answer: D

QUESTION 12

The number of atoms in a molecule of CuS()4 • 51 h is _____.

A. 15

B. 18

C. 21

D. 29

Correct Answer: C

Explanation:

The hydrate CuS()4 • 51U contains 6 atoms in the salt C11SO4 (lCu + IS + 40). The five loosely bonded

water molecules contain 15 atoms (10H + 5()). The total number of atoms is 6 + 15 = 21.

QUESTION 13

Ascorbic acid is also known as _____.

A. Vitamin B12

B. Vitamin E

C. Vitamin C

D. Vitamin A

Correct Answer: C

Explanation:

Vitamin C is also known as ascorbic acid.

QUESTION 14

A 120-volt electrical power supply produces 1/2 ampere to the load. The power delivered is _____.

A. 60 watts

B. 60 ohms

C. 240 watts

D. 240 ohms

Correct Answer: A

Explanation:

Power = voltage x current (in watts) = 120 volts x 1/2 amp = 60 watts.

QUESTION 15

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

A. genus

B. phylum

C. domain

D. species

Correct Answer: D