

ASVAB General Science Practice Test

Q1. The basic unit of life is

- A. the cell.
- B. DNA.
- C. the carbon molecule.
- D. oxygen.

Answer ___

Q2. When a plant undergoes photosynthesis, one of the by-products is

- A. carbon dioxide.
- B. light.
- C. ozone.
- D. oxygen.

Answer ___

Q3. Why is the nucleus so important to a living cell?

- A. It controls the production and elimination of cell waste.
- B. It controls most of the activities of the cell.
- C. It controls photosynthesis.
- D. It uses oxygen to make carbon dioxide.

Answer ___

Q4. Which of the following do not have organelles?

- A. Muscle cells
- B. Protozoa
- C. Nerve cells
- D. Bacteria

Answer ___

Q5. Which of the following is not an example of a fruit?

- A. Raspberries
- B. Sunflower seeds
- C. Corn
- D. Potato

Answer ___

Q6. Which of the following terms can be used to describe a bird?

- A. Invertebrate, omnivore
- B. Vertebrate, warm-blooded
- C. Endoskeleton, cold-blooded
- D. Crustacean, endoskeleton

Answer ___

Q7. Why are decomposers important to an ecosystem?

- A. They make nutrients available for plants to use.
- B. They create soil for farming.
- C. They stabilize the soil.
- D. They enhance the habitat with specialized particles important to life.

Answer __

Q8. Which of the following is the part of the skeletal system that protects the spinal cord?

- A. Marrow
- B. Cartilage
- C. Ligaments
- D. Vertebrae

Answer __

Q9. A bruise on your skin is the result of which of the following?

- A. Excess strain on the muscle
- B. Broken capillaries
- C. Overactive sweat glands
- D. Swelling

Answer __

Q10. The function that moves food from one part of the digestive system to another is called

- A. respiration.
- B. digestion.
- C. mechanical decomposition.
- D. peristalsis.

Answer __

Q11. Which of the following words are all associated with the nervous system?

- A. Nephrons, urethra, bladder
- B. Antigens, T cells, cilia
- C. Hypothalamus, pons, cortex
- D. Lymph nodes, spleen, tonsils

Answer __

Q12. Which of the following is the name for the space between two nerve cells where an electric charge transmits information?

- A. Nerve cell gap
- B. Synapse
- C. Axon
- D. Dendrite

Answer __

Q13. Which of the following states is likely to have the greatest biodiversity?

- A. North Dakota
- B. Illinois
- C. Nebraska
- D. Florida

Answer __

Q14. Which of the following best represents what happens to ultraviolet radiation from the sun when it reaches Earth's atmosphere?

- A. It changes into chlorofluorocarbons.
- B. Some of it is absorbed by the ozone layer.

- C. All of it reaches Earth's surface.
- D. It is deflected back into space.

Answer __

Q15. Which of the following properties of a sound wave affects how loud or soft the sound is?

- A. Crest
- B. Trough
- C. Frequency
- D. Amplitude

Answer __

Q16. The major force causing sea-floor spreading, continental drift, and the collision of continental plates is

- A. subduction of Earth's core.
- B. creation of oceanic ridges.
- C. compression of continents.
- D. convection currents in the mantle.

Answer __

Q17. When two tectonic plates converge and one rises above the other, which of the following are likely to form?

- A. Volcanoes
- B. Hot spots
- C. Tsunamis
- D. Rifts

Answer __

Q18. Breaking waves or breakers that occur near the shoreline are caused by which of the following conditions?

- A. Earthquakes that occur far out in the ocean
- B. Friction between the wave trough and the ocean bottom
- C. The expansion of the wavelength of the wave
- D. Increasing tidal forces

Answer __

Q19. How long does it take for Earth to make one revolution around the sun?

- A. 1 year
- B. 1 month
- C. 1 week
- D. 1 day

Answer __

Q20. An eclipse of the sun occurs under which of the following conditions?

- A. Earth is between the sun and the moon.
- B. Earth is rotating faster than the moon.
- C. Earth, the sun, and the moon are perpendicular to each other.
- D. The moon is between the sun and Earth.

Answer __

Q21. Earth's greenhouse effect is caused by which of the following conditions?

- A. Changing rainfall patterns from global warming

- B. Heat from the sun that is trapped by atmospheric gases
- C. The increase in the thickness of the ozone layer
- D. The number of plants in tropical rainforests trapping CO₂

Answer __

Q22. Which of the following can hold the most moisture?

- A. Cold air
- B. Moving air
- C. Stable air
- D. Warm air

Answer __

Q23. When a prevailing wind reaches a mountain range, what happens to the air?

- A. It is blocked and starts to move backward.
- B. It rises and cools, causing condensation.
- C. It expands and heats, resulting in rain.
- D. It expands and heats, resulting in a dry, desertlike area.

Answer __

Q24. The process of erosion is linked to the formation of which of the following types of rocks?

- A. Igneous
- B. Extrusive
- C. Sedimentary
- D. Metamorphic

Answer __

Q25. Scientists believe that the universe is expanding because of which of the following indicators?

- A. The difference in time it takes for light from various stars to reach us
- B. The red shift in the spectra of stars
- C. The difference in chemical composition of various stars
- D. The explosion of supernovas

Answer __

Answer Keys and Explanation Link (URL)

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