

General Science

Subtest 1: General Science

Time: 11 minutes for 25 questions

Directions: This subtest tests your knowledge of general science principles usually covered in high school classes. Pick the best answer for each question and then mark the space on your answer sheet that corresponds to the letter indicating your choice.

1. Which planet is named after the Greek god who personified the sky?
(A) Earth
(B) Mars
(C) Pluto
(D) Uranus
2. An animal that eats only meat is called a(n)
(A) omnivore.
(B) herbivore.
(C) carnivore.
(D) voracious.
3. The chemical process in which electrons are removed from a molecule is called
(A) respiration.
(B) recreation.
(C) oxidation.
(D) metabolism.
4. What is a single unit of quanta called?
(A) quantum
(B) quantumonium
(C) quantus
(D) quanfactorial
5. Light waves travel at a rate of about
(A) 186,000 miles per hour.
(B) 186,000 miles per minute.
(C) 18,600 miles per hour.
(D) 186,000 miles per second.
6. The largest planet in the solar system is
(A) Earth.
(B) Mars.
(C) Saturn.
(D) Jupiter.
7. The intestines are part of the
(A) circulatory system.
(B) nervous system.
(C) respiratory system.
(D) digestive system.
8. Joints that hold bones firmly together are called
(A) hinge joints.
(B) ball and socket joints.
(C) fixed joints.
(D) pivot joints.
9. Of the levels listed, the top or broadest level of the classification system for living organisms is called the
(A) class.
(B) phylum.
(C) kingdom.
(D) genus.
10. Which planet is the brightest object in the sky, aside from the sun and moon?
(A) Saturn
(B) Pluto
(C) Venus
(D) Mercury
11. The human heart includes
(A) 2 chambers.
(B) 3 chambers.
(C) 4 chambers.
(D) 5 chambers.

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12. White blood cells
(A) produce antibodies.
(B) fight infections.
(C) carry oxygen and carbon dioxide.
(D) both A and B
13. A measurable amount of protein can be found in all of the following foods EXCEPT
(A) eggs.
(B) meat.
(C) peas.
(D) apples.
14. What is the most abundant element, by mass, in the Earth's crust?
(A) carbon
(B) oxygen
(C) gold
(D) salt
15. Osmosis is
(A) diffusion of water.
(B) transfer of oxygen.
(C) low blood sugar.
(D) protein.
16. A meter consists of
(A) 10 centimeters.
(B) 100 millimeters.
(C) 100 centimeters.
(D) 10 millimeters.
17. One light-year is
(A) the distance traveled by light in one year.
(B) the brightness of light at 30,000 miles.
(C) 17 standard Earth years.
(D) Spock's birthday.
18. Electrons are particles that are
(A) positively charged.
(B) neutral.
(C) able to move freely.
(D) negatively charged.
19. The asteroid belt is located
(A) around Mercury.
(B) between Mars and Jupiter.
(C) inside the orbit of Venus.
(D) There is no such thing as an asteroid belt.
20. The atomic number of an atom is determined by
(A) the size of its nucleus.
(B) the number of protons.
(C) the number of electrons.
(D) its location in the periodic table.
21. The "control center" of a cell is called the
(A) nucleus.
(B) compound.
(C) mitochondria.
(D) atom.
22. How many planets in the solar system have rings?
(A) one
(B) two
(C) three
(D) four
23. The temperature at which a substance's solid and liquid states exist in equilibrium is its
(A) melting point.
(B) boiling point.
(C) anti-freezing point.
(D) concentration point.

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24. The atmosphere of Mars is composed mostly of
- (A) oxygen.
 - (B) carbon dioxide.
 - (C) helium.
 - (D) Mars has no atmosphere.
25. Not counting the sun, the closest star to the Earth is
- (A) Rigel.
 - (B) Proxima Centauri.
 - (C) Antares.
 - (D) Betelgeuse.

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Answers

Subtest 1: General Science Answers

The General Science subtest tests your knowledge of science facts. If you missed a few questions, reread the questions and try to figure out where you went wrong. If you missed more than a few questions, review Chapter 10.



General Science is a broad field, but some of the following books may help you: *Chemistry For Dummies* by John T. Moore, *Biology For Dummies* by Donna Rae Siegfried, *Astronomy For Dummies*, 2nd Edition, by Stephen P. Maran, *Weather For Dummies* by John D. Cox, and *Physics I For Dummies* by Steven Holzner. You can find additional practice questions in Chapter 15.

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| 1. D | 4. A | 7. D | 10. C | 13. D | 16. C | 19. B | 22. D | 25. B |
| 2. C | 5. D | 8. C | 11. C | 14. B | 17. A | 20. B | 23. A | |
| 3. C | 6. D | 9. C | 12. D | 15. A | 18. D | 21. A | 24. B | |