



- A. They can all reproduce by spontaneous generation.
B. Each organism is able to photosynthesize.
C. Cells are the basic unit of structure for each organism.
D. They are all made up of the same exact atoms.
6. In recent years, there have been numerous agencies planning manned trips to Mars. Why is traveling to Mars so difficult?
- A. Temperatures in space
B. Distance between planets
C. No landing runway on Mars
D. Erratic motion of planets
7. Speed is a scalar type of measurement and velocity is a vector type measurement. What is the main difference between scalar and vector measurements?
- A. Scalar measurements include a direction
A. Vector measurements include a direction
B. Neither scalar nor vector measurements include a direction
C. Both scalar and vector measurements include a direction
8. A force acts on a soccer ball for four seconds causing it to accelerate. If the ball is replaced with a similar ball with four times the mass and the same force is applied for the same amount of time, the acceleration of the similar ball will now be –
- A. One fourth the value
B. One half the value
C. Twice the value
D. Four times the value



9. Which of the following best supports the Big Bang Theory?

- A. Various shapes of galaxies
- B. Speed of light
- C. Red & blue shifts of light from stars
- D. The motion of planets in orbit

10. What does this symbol indicate about a substance?

- A. Can cause injury to skin
- B. Can burn easily
- C. Hazardous to the environment
- D. Harmful to inhale



SAMPLE QUESTIONS
KEY

- 1. B
- 2. D
- 3. C
- 4. A
- 5. C
- 6. A
- 7. B
- 8. A
- 9. C
- 10. B