

Sample Test Paper with Answer Key

Directions: Choose the best answer. This original sample is safe to use for Redotest demos.

1. Which statement best describes energy?

- A. The ability to do work
- B. The amount of space an object occupies
- C. The pull of Earth on an object
- D. The speed of sound

2. What is the SI unit of work?

- A. Watt
- B. Joule
- C. Meter
- D. Newton

3. Which example shows potential energy?

- A. A rolling ball
- B. A book resting on a high shelf
- C. A moving bicycle
- D. A running student

4. What happens when forces are balanced?

- A. The object must speed up
- B. The object changes shape only
- C. Motion does not change
- D. Gravity disappears

5. Inertia is the tendency of an object to resist changes in motion.

- A. True
- B. False

6. The SI unit of power is _____.

- A. Watt
- B. Joule
- C. Gram
- D. Liter

7. Which organism makes its own food?

- A. Consumer

- B. Decomposer
- C. Producer
- D. Predator

8. Salt water is an example of what kind of mixture?

- A. Heterogeneous mixture
- B. Homogeneous solution
- C. Pure element
- D. Compound only

9. Which process can separate an insoluble solid from a liquid?

- A. Filtration
- B. Freezing
- C. Melting
- D. Magnetism only

10. A food web shows many connected food chains.

- A. True
- B. False

11. What does a decomposer do?

- A. Makes sunlight
- B. Breaks down dead organisms
- C. Stops all energy flow
- D. Produces rocks

12. What law is associated with inertia?

- A. Newton's First Law
- B. Newton's Second Law
- C. Law of Conservation of Mass
- D. Boyle's Law

Answer Key

Use this answer key to test Redotest answer detection.

1. A, 2. B, 3. B, 4. C, 5. A, 6. A, 7. C, 8. B, 9. A, 10. A, 11. B, 12. A

1. Energy is the ability to do work.
2. Work is measured in joules.
3. A book on a high shelf has stored gravitational energy.
4. Balanced forces do not change motion.
5. This is the meaning of inertia.