

Caller sheet - answers and clues

Science Review

1. Answer: Atom
 Read: The smallest unit of an element that retains its chemical identity.

2. Answer: Cell
 Read: The basic structural and functional unit of a living organism.

3. Answer: Gravity
 Read: The attractive force between objects that have mass.

4. Answer: Friction
 Read: A force that opposes motion between touching surfaces.

5. Answer: Evaporation
 Read: Liquid at the surface changes into a gas.

6. Answer: Condensation
 Read: Water vapor cools and changes into liquid water.

7. Answer: Photosynthesis
 Read: Plants use light energy to turn carbon dioxide and water into sugars.

8. Answer: Ecosystem
 Read: Living organisms and their nonliving environment interacting together.

9. Answer: Food chain
 Read: A sequence showing how energy moves from one organism to another.

10. Answer: Habitat
 Read: The place where an organism lives and obtains what it needs.

11. Answer: Predator
 Read: An animal that hunts and eats other animals.

12. Answer: Prey
 Read: An animal that is hunted and eaten by another animal.

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13. Answer: Vertebrate

Read: An animal with a backbone inside its body.

14. Answer: Invertebrate

Read: An animal without a backbone inside its body.

15. Answer: Water cycle

Read: The continuous movement of water through the environment.

16. Answer: Carbon dioxide

Read: A gas released during respiration and used by plants in photosynthesis.

17. Answer: Oxygen

Read: A gas used by many organisms during cellular respiration.

18. Answer: Chlorophyll

Read: The green pigment that absorbs light for photosynthesis.

19. Answer: Renewable energy source

Read: An energy source naturally replenished on a human timescale.

20. Answer: Nonrenewable energy source

Read: An energy source that is not replenished on a human timescale.

21. Answer: Conservation of energy

Read: Energy can be transferred or transformed but cannot be created or destroyed.

22. Answer: Gravitational potential energy

Read: Stored energy due to an object's position in a gravitational field.

23. Answer: Electromagnetic radiation

Read: Energy carried by waves that can travel through empty space.

24. Answer: Thermal energy transfer

Read: Energy moving from a warmer object to a cooler object.

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25. Answer: Chemical reaction

Read: A process that changes substances into different substances.

26. Answer: Electrical conductor

Read: A material that allows electric charge to move through it easily.

27. Answer: Electrical insulator

Read: A material that strongly resists the movement of electric charge.

28. Answer: Independent variable

Read: The variable deliberately changed in a controlled experiment.

29. Answer: Dependent variable

Read: The variable measured to observe the effect of a change.

30. Answer: Controlled experiment

Read: A test in which relevant conditions are kept the same except one variable.

31. Answer: Natural selection

Read: A process in which inherited traits affect survival and reproduction.

32. Answer: Cellular respiration

Read: Cells release usable energy by breaking down food molecules.

33. Answer: Decomposition

Read: The breakdown of dead organisms and organic material.

34. Answer: Adaptation

Read: An inherited feature that helps an organism survive or reproduce.

35. Answer: Surface area to volume ratio

Read: A comparison of the outside surface of an object with its internal volume.
