

Enhanced Science 7 Term 1 Review

Science · Practice Test · 10 Questions

1. Which of the following is a quantitative measure of solution concentration?

- A) Percent by mass
- B) Litmus reaction
- C) Microscope magnification
- D) Cell theory

2. How does increasing temperature generally affect the solubility of a solid solute in a liquid solvent?

- A) Decreases solubility
- B) Increases solubility
- C) No effect
- D) Makes it acidic

3. Which indicator is used to classify solutions as acidic, basic, or neutral?

- A) Magnifying glass
- B) Litmus paper
- C) Thermometer
- D) Microscope

4. What is the primary function of a compound microscope?

- A) To measure temperature
- B) To observe small specimens
- C) To mix solutions
- D) To classify organisms

5. How is total magnification calculated in a compound microscope?

- A) Objective power + Eyepiece power
- B) Eyepiece power $\times$ Objective power
- C) Objective power / Eyepiece power
- D) Total length $\times$ Lens focus

6. Which scientist is credited with contributing to the cell theory?

- A) Newton
- B) Hooke
- C) Darwin
- D) Einstein

7. What is the main difference between unicellular and multicellular organisms?

- A) Structural complexity
- B) Type of microscope used
- C) Solubility levels
- D) Mass of solute

8. Which organelle is a distinguishing feature between plant and animal cells?

- A) Nucleus
- B) Cell wall
- C) Cytoplasm
- D) Cell membrane

9. What does the cell membrane act as for the cell?

- A) A rigid wall
- B) A semipermeable barrier
- C) A storage organelle
- D) A power generator

10. Which term describes the movement of materials into and out of the cell?

- A) Regulation
- B) Diffusion
- C) Microscopy
- D) Classification