

Elementary Biochemistry Basics

Biochemistry · Answer Key · 8 Questions

1. What are the tiny building blocks that make up all living things, like plants and animals?

- A) Atoms
- B) Molecules
- C) Cells**
- D) Organs

2. Which important molecule carries the instructions for how living things grow and work?

- A) Water
- B) Sugar
- C) DNA**
- D) Oxygen

3. What do plants use to make their own food from sunlight, water, and air?

- A) Photosynthesis**
- B) Respiration
- C) Digestion
- D) Fermentation

4. What is the main source of energy that cells use to do their jobs, often called the 'energy currency'?

- A) Glucose
- B) ATP**
- C) Protein
- D) Lipid

5. What are the large molecules in our bodies that help build and repair tissues, like muscles and skin?

- A) Carbohydrates
- B) Fats
- C) Proteins**
- D) Vitamins

6. Which simple sugar is the main fuel source for most living cells?

- A) Fructose
- B) Sucrose
- C) Lactose
- D) Glucose**

7. What are specialized structures within cells that perform specific functions, like the 'powerhouse' that makes energy?

- A) Genes
- B) Chromosomes
- C) Organelles**
- D) Enzymes

8. What is the essential liquid found in all living cells that helps carry nutrients and waste products?

- A) Oil
- B) Alcohol
- C) Water**
- D) Juice