

TEST NAME: **Unit 1: QZ01 - Matter Is...**  
TEST ID: **659186**  
GRADE: **06**  
SUBJECT: **Life and Physical Sciences**  
TEST CATEGORY: **My Classroom**

Student: \_\_\_\_\_

Class: \_\_\_\_\_

Date: \_\_\_\_\_

1. Which statement is true about atoms?

- A. Atoms are made of molecules.
- B. Atoms have an electric charge.
- C. Atoms have the same weight.
- D. Atoms are seen by using special tools.

2. In order to determine if two atoms are copper (Cu) atoms, what must be the same for each?

- A. the number of valence electrons
- B. the physical and chemical properties of the atoms
- C. the charge of the atom
- D. the size of the atom

3. The diagram shows a pitcher with tea, ice, lemon, water, and mint.



All the matter in the pitcher is made of which of these?

- A. atoms in molecules
- B. human-made materials
- C. molecules in atoms
- D. single elements

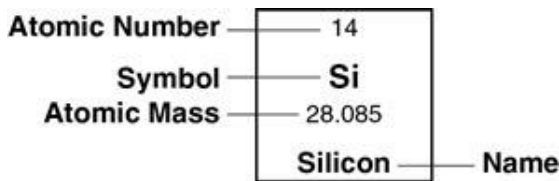
4. Which describes a property of all elements?

- A. All elements are metals.
- B. All elements have six electrons.
- C. All elements are pure substances.
- D. All elements exist in the solid phase.

5. **An atom can best be described as**
- A. the smallest particle that has all the characteristics of a compound.
  - B. the smallest particle that has all the characteristics of an element.
  - C. a charged particle that is similar to a molecule.
  - D. a charged particle that is larger than a molecule.

6. Matter can be defined as
- A. anything that is made of atoms, has mass, and takes up space.
  - B. anything that has energy, has mass, and takes up space.
  - C. anything that has mass and energy.
  - D. anything that takes up space and has energy.

7. **A student sees the diagram shown in a textbook.**



**What does the symbol in the diagram represent?**

- A. a compound
  - B. an element
  - C. a molecule
  - D. an isotope
8. If someone mixed sand with small pieces of iron, the mixture could later be separated easiest by using a
- A. shovel.
  - B. microscope.
  - C. magnet.
  - D. strainer.
9. In what way are atoms of oxygen most different from atoms of nitrogen?
- A. They have different temperatures.
  - B. They have different states of matter.
  - C. They have different masses.
  - D. They have different colors.

10. What is the smallest unit of an element that shares the element's properties?

- A. Molecule
- B. Cell
- C. Atom
- D. Compound