

First Semester of the Academic Year 1447-2025

Worksheet 10

Level	Primary	Name	
Subject	Science	Class	6

Part 1: Multiple Choice

Choose the correct answer:

- A mixture is made of:
a) One substance only b) Two or more substances mixed together
c) A new chemical substance
- In a mixture, substances:
a) Change their properties b) Keep their original properties c) Disappear
- A chemical change produces:
a) No new substances b) New substances c) Only a change in size
- Which of the following is a sign of a chemical change?
a) Gas formation b) Cutting paper c) Breaking glass
- Metals are usually:
a) Dull and soft b) Shiny and good conductors c) Gases
- A solution is:
a) Heterogeneous mixture b) Homogeneous mixture c) Suspension
- Noble gases are:
a) Very reactive b) Not reactive c) Liquids
- In salt water, salt is the:
a) Solvent b) Solute c) Gas

☑ Part 2: True or False

Write (True) or (False):

1. A chemical change forms new substances. (**T**)
 2. Mixing water with food coloring is a chemical change. (**F**)
 3. Metals conduct electricity. (**T**)
 4. Nonmetals are good conductors. (**F**)
 5. A suspension settles over time. (**T**)
 6. Milk is a solution. (**F**)
 7. Silicon is a metalloid. (**T**)
 8. Mass is conserved in mixtures. (**T**)
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🎯 Part 3: Challenge Question (Higher Thinking)

A student mixes sand and water, then leaves it for some time.

👉 What type of mixture is this?

Suspension

👉 What will happen to the sand?

The sand settles at the bottom

👉 How can you separate it?

Filtration / Decantation

🔍 Part 4: Short Answer

1. What is the difference between a mixture and a compound?

👉 **A mixture:** substances keep their properties

A compound: a new substance is formed

2. Give one example of:

• **Metal:** Iron / Copper / Gold

Nonmetal: Oxygen / Carbon / Nitrogen

