

Pt. YadRam Secondary Public School
Class-8th Science Worksheet
Chapter-8 Nature of Matter: Elements, Compounds and Mixtures

Q1. Choose the correct option:

- 1) Which of the following is a pure substance?
a) Air b) Silver c) Lemonade d) Alloy
- 2) Which of the following is an example of a mineral?
a) Quartz b) Mica c) Calcite d) All of these

Q2. Fill in the blanks:

- 1) _____ are considered impure substances.
- 2) Brass is an alloy of _____ and zinc.

Q3. True or False:

- 1) Sodium chloride is an element. ()
- 2) Air is an example of a non-uniform mixture. ()

Q4. Classify as Element, Compound or Mixture:

Carbon dioxide, sand, seawater, aluminium, magnesium oxide, oxygen

Q5. Define the following terms:

- 1) Alloy 2) Non-uniform mixtures

Q6. Give one example for each of the following:

- 1) Solid and liquid mixture
- 2) Gas and liquid mixture

Q7. Differentiate between mixtures and compounds.

Q8. How can gold be classified as both a mineral and a metal?

Q9. Is it possible for a substance to be classified as both an element and a compound? Explain why or why not.

Q10. What is a pure substance?