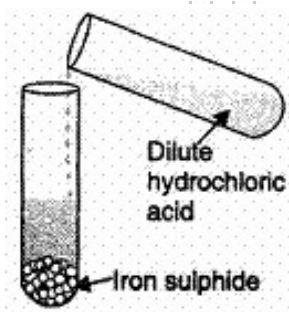




Student Name					
Date		Grade	IX	Roll No.	
Subject	Science			Teacher's Sign	

Worksheet (Chapter 02 Is matter around us pure)

- Which of the following settles down when allowed to stand undisturbed doe sometimes?
 - Copper sulphate solution
 - Blood
 - Muddy water
 - Solution of egg albumin in water
- A mixture of iron filings and sulphur is heated, the colour of the mixture will change
 - black to yellow
 - yellow to black
 - brown to yellow
 - black to brown
- In the experiment shown a gas is evolved. Four groups of students have recorded their observations on the gas produced as shown in the following table. Choose the correct set of observations. Note that the positive response are shown by '✓' and negative by 'X' signs respectively.



a.	Colour of the gas	Odour of the gas	Flammability	Action on lead acetate paper
	x	✓	x	✓
b.	Colour of the gas	Odour of the gas	Flammability	Action on lead acetate paper
	x	✓	✓	x
c.	Colour of the gas	Odour of the gas	Flammability	Action on lead acetate paper
	x	x	✓	x
d.	Colour of the gas	Odour of the gas	Flammability	Action on lead acetate paper
	✓	✓	x	✓

4. Which of the following solution scatter light?
- None of these
 - Both colloidal solution and suspension
 - colloidal solution
 - suspension
5. A Substance can be beaten into sheets and beaten into wires. What will you call it?
- It is both brittle and lustrous
 - It is both sonorous and ductile
 - It is both Malleable and ductile
 - It is both malleable and brittle
6. Which of the following methods would you use to separate cream from

milk? ?

- a. centrifugation
- b. filtration
- c. distillation
- d. fractional distillation

7. A shining thick liquid is often used in glass thermometers. Name it.
8. A saturated solution becomes unsaturated on heating. Why is it so? How will you justify that rusting of iron is a chemical change?
9. Define crystallisation.
10. In what respect does a true solution differ from a colloidal solution?
11. Describe a method that can be used to separate a mixture of salt and ammonium chloride.
12. 'Sea water can be classified as homogeneous as well as heterogeneous mixture.' Comment.
13. A compound is regarded as a pure substance while the mixture is not. Give reason.
14. Fog and cloud are both colloidal in nature. How do they differ?