Unit 4 Properties of Matter

Read the unit 4 in the text book and write the answers to the following questions in separate paper

1. What is meant by discontinuous nature of matter? (p 39)

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   .....

2. Fill in the following table (p 41-43)

Activity	Observation	Conclusion
When the piece of chalk is placed on the red ink solution		1.Chalk consist of a large number of small particles 2. There are spaces among particles
Put a crystal of condis to the water beaker		
A gas jar was inverted over a gas jar filled with brown color nitrogen dioxide gas		

   Refer the page 44 for the questions 3 , 4 , 5 , 6

3. Matter can be divided into 3 categories according to their physical state. What are they?

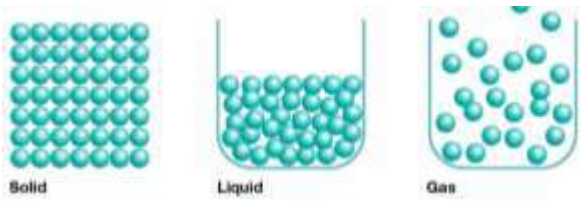
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4. Write two features which are used to identify solid matter?

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5. What are the features which are used to identify liquid matter?
6. What are the features which are used to identify gas matter ?
7. Write the physical properties of each matter using the given diagrams (p 43)
8.



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Solid	Liquid	Gas

9. Explain the following terms (p 45-48)

   Elements……
   Compounds……..
   Pure substances…….
   Mixtures ……

10. Write letter 'C' for compounds and 'E' for elements

Sulphur	
Oxygen gas	
Salt	
Chlorine	
Mercury	
Glucose	
Water	
Carbon	
Zinc	

11. There are various physical properties are used to identify matter. write such 3 physical properties (p 49)

    Describe following terms (p 50-52)
    Density……..
    Melting point……..
    Boiling Point ……..

12. Write five physical characteristics of metals. (p 54-55)

13. Describe following terms (p 56-57)

    a . Malleability
    b . Brittleness
    c Elasticity
    d. Lustre
    e. Expansivity
    f Texture
    g Hardness

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