

Science 8 Unit 1  
 Mixing and Dissolving  
 Topic 2 Research Questions

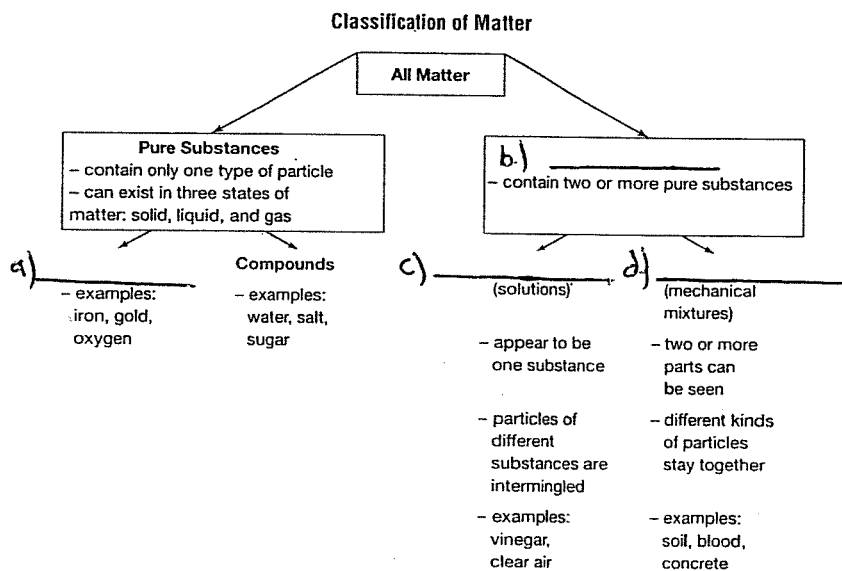
Name:

Date:

1.) What is a pure substance? Pg 13 1 mark

2.) Complete the table for the "Classification of Matter"

(4 marks)



3.) What is a Homogeneous Mixture? Give an example . Pg 14 1 mark

4.) What is a Heterogeneous mixture? Give an example Pg. 15 1mark

11.) What four factors can affect the rate at which one solute will dissolve in a solvent. pg 19

- a.)
- b.)
- c.)
- d.)

12.) 11.4 grams of alum will dissolve in 100 ml of water at 0 degrees Celsius. 6.9 grams of baking soda will dissolve in 100ml of water at 0 degrees Celsius. What three factors affect solubility Pg. 20 3 marks

13.) What do we call a solution that has reached it's upper limit, no more solute will dissolve in the solvent?

14.) What is a supersaturated solution? How can it be done with some solutes? 2 marks

15.) Explain how the soap/detergent molecule works in removing grease from objects? 1 mark page 24

16.) define the following terms: (1 2 marks)

a.) Properties:

g.) agitation:

h.) solubility:

i.) insoluble:

17.) Do page 26 question 9 3 marks