

# Science 7 Chapter 6 (page. 136-140 of text.) WS #1 (6.1, 6.2)

Student Name:

Date:

1. A. What is a pure substance?(1 mark)

B. Provide 2 examples.( 2 marks)

2. A. What is a mixture?( 1 mark)

B. Provide 2 examples of mixtures.( 2 marks)

3. What is bread a mixture of ?(  $\frac{1}{2}$  mark each, total 3 marks)

4. A. What are elements?( 1 mark)

B. Provide 3 examples.( 3 marks)

5. What are compounds?( 1 mark)

6. Fill in the table from page 141.

Compound	Elements combined in compound
Water	
Table salt(sodium chloride)	
Carbon Dioxide	
Sugar	
Alcohol	
Chalk(calcium carbonate)	
Baking Soda	

7. What is the difference between elements and compounds using examples.( 2 marks)

8. What is the difference between elements and compounds using the particle model.( 2 marks)

9. State whether of the following pure substance is an element or a compound...also explain your reasoning.( 2 marks each, total 6 marks)

a) A clear, colorless liquid that can be split into two gases with different properties.

b) A yellow solid that always has the same properties and cannot be broken down.

c) A colorless gas that burns to produce carbon dioxide and water.