Name [	Date
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## Section 5.1 Exploring the Nature of Matter Answer all questions in full sentences.

1) What are some characteristics of a good scientist?	
2) List the 5 points of the particle theory of matter.	
2) Draw the three figures at the bottom of page 156 and label them as either a solid, liquid or gas.	
3) What are the three states of matter?	
4) What are the two ways of classifying matter by what it is made of?	
5) What are the two properties of matter?	
6) Define pure substance.	
7) Is a pure substance homogeneous or heterogeneous?	

8) How many particles are in a mixture?
9) What are two ways that chemists classify changes in matter?
10) Define physical change.
11) Give 3 examples of a physical change.
12) Define chemical change.
13) Give 3 examples of a chemical change.
14) Are chemical changes easily reversible?
15) What are 5 indications that a chemical change has taken place?
16) Define density.
17) Define combustibility