NANSWERS

THE THREE STATES OF MATTER Review page 16 of your text book and complete the chart:

Physical States	Solid	Liquid	Gas or Vapour
1.) Examples	varions	various	various
2.) Shape	definite	indefinite	indefinite
3.) Volume	definite	definite	indefinite

Qualitative or Quantitative?	*
	1. The orange had a very sour taste.
N	2. The density of water is 1.0 g/mL.
N	3. Water boils at 100 °C.
	4. The colour of the car was metallic blue.
	The perfume had a flowery odour.
	Water and glass are both transparent.
	Salt dissolves into water but pepper is insoluble.
N	On a hardness scale of 1 to 10, diamonds would score 10.
N	9. The mass of the diamond was 15.9 g.
N	10. The average grade nine student is 1.61 m tall.
Physical or Chemical Property?	
	1. Methane reacts with oxygen to produce carbon dioxide.
P	2. Diamonds sparkle when placed under bright lights.
P	Sugar dissolves when placed into water.
P .	 Aluminum is pressed into thin sheets to produce foil.
	Bubbles of gas are produced when acid is dropped onto a piece of magnesium.
P	6. Metals will rust when exposed to moisture and oxygen.
P	7. Helium balloons will float on top of air.
	8. A pane of glass is broken into small pieces.