



Liquids, read pages 274 to 279 - Answer all questions on Loose leaf paper.

- 1 What is the name of the force that attracts the molecules of a liquid together?
- 2 Describe the difference between vaporization and evaporation.
- 3 How can evaporation be described as a "cooling process"?
- 4 Using the diagram on the bottom of page 275 in the text, explain what dynamic equilibrium means in your own words.
- 5 Explain this statement in your own words: The temperature of a liquid never goes above its boiling point, even if extra heat is added to it.
- 6 Why can't liquids be compressed much?
- 7 At 101.3 kpa water boils at 100 degrees Celsius. High up a mountain or deep in a cave the air pressure is different. Fill in this chart and label where the air pressure is exactly 101.3 kPa and exactly 100°C. The other boxes should be filled in with greater than or less than those units.

	air pressure (in kPa)	boiling point of water °C
below sea level in a deep cave		
at sea level		
high atop a mountain		