

Wet Stuff 2

- 1) Define vapor pressure.

Refer to TABLE H

- 2) What is the relationship between the rate of evaporation and the vapor pressure of a liquid?
- 3) At the same temperature, which of the following liquids evaporates the fastest?
a) propanone b) ethanol c) water d) ethanoic acid
- 4) At the same temperature, which of the following liquids has the lowest vapor pressure?
a) propanone b) ethanol c) water d) ethanoic acid
- 5) What is the relationship between the temperature of a liquid and its vapor pressure?
- 6) Which of the following has the highest vapor pressure?
a) 5 ml H₂O at 50°C
b) 20 ml H₂O at 30°C
c) 35 ml H₂O at 10°C
- 7) What is the vapor pressure of water at 50 °C?
- 8) At what temperature will water have a vapor pressure of 180 kPa?
- 9) In terms of pressure, when does a liquid boil?
- 10) What is meant by the “normal” boiling point?