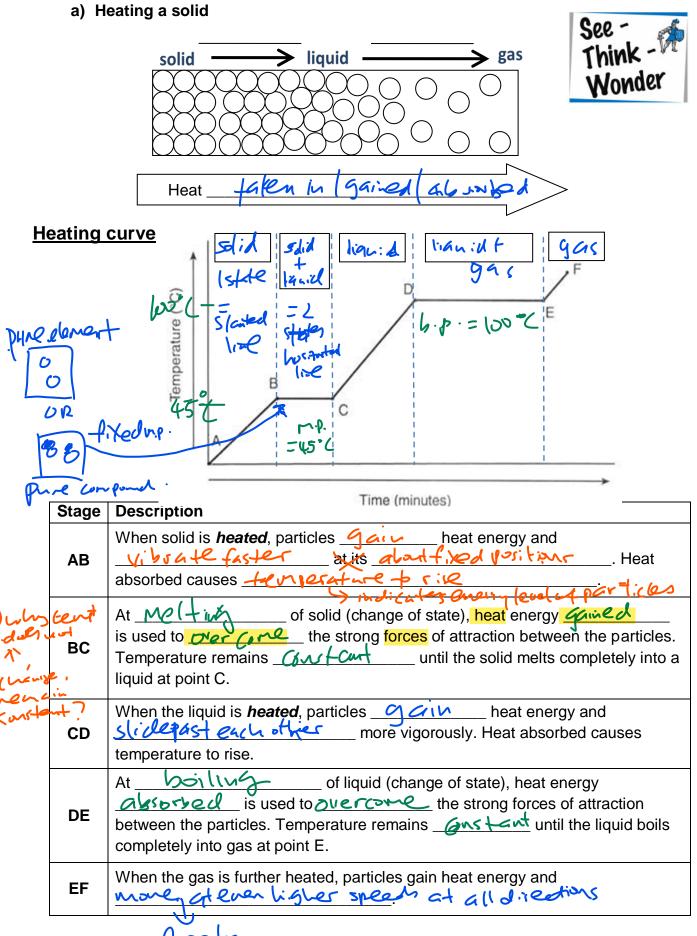
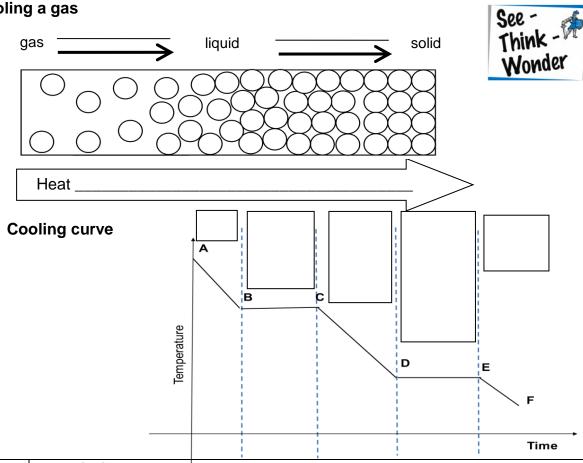
5 Using Particulate model of matter to explain: Changes in states of matter



b) Cooling a gas



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Stage	Description
АВ	When the gas is <i>cooled</i> , particles heat energy and move freely in all directions at Heat energy released causes temperature to fall.
ВС	At point (change of state), heat energy is due to stronger forces of attraction between particles. Temperature remains until the gas condenses completely into liquid at point C.
CD	When the liquid is, particles heat energy and more slowly. Thermal energy released causes temperature to fall.
DE	At point (change of state), heat energy is due to stronger forces of attraction between the particles. The stronger forces of attraction cause the particles to to their Temperature remains until liquid freezes completely into solid at point E.
EF	When the solid is further cooled, particles heat energy and vibrate about their fixed positions. Thermal every released causes temperature to fall.