

- 1) Gases can be liquefied by adding pressure and reducing the temperature.
- 2) When anything solid turns into a gas without first becoming liquid.
- 3) a) Solid molecules are very closely packed and liquid and gas do not have a large intermolecular force of attraction thus, solid cannot flow.  
b) The egg is kicked out of bottle because high air pressure ~~creates~~ is created inside the bottle.  
c) The odour of the scent spreads in a room because the scent molecules intermixes with air molecules.  
d) We can walk through air because the molecules of it are loosely packed with each other.

- e) Liquids have definite volume but no definite shape because it takes the shape of the container.
- f) When a teaspoon of sugar is added to half glass water and water level is unchanged because the sugar molecules take the place between the molecules of water.
- g) When ~~t~~ The gas spreads into the empty jar because of diffusion.
- h) The red ink drop particles intermix with <sup>water</sup> ~~gas~~ particles that's why ~~is~~ the whole glass of water turns into red.