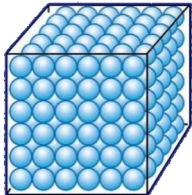
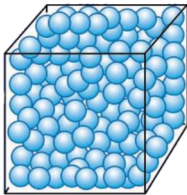
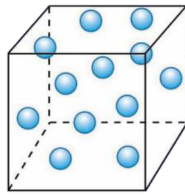


3 Models of States of Matter (Particulate Model of Matter)

Characteristics	Solids	Liquids	Gases
Model			
Diagram			
1. Forces between particles	_____ forces of attraction	_____ forces of attraction (weaker as compared to solids)	Very _____ or _____ forces of attraction
2. Movement/Motion	_____ about _____	Able to _____	Move _____ in all _____ and at _____
3. Arrangement	_____ packed and _____ arranged	Not as closely packed as solids and _____ arranged	Very _____ and _____ arranged

- Guidelines of drawing particles:
 - 2-D side view of the substance
 - Not necessary to show the vibration of the particles
 - Size of particles should be roughly the same
 - Half-drawn particles are not accepted.
- Using the particulate model of matter to **explain** the difference in the physical properties of the 3 different states of matter.

4. Energy

Temp. is an indication of energy level of particles.

Solid
particles possess least amount of energy

Liquid
liquid particles have more energy than solid particles

Gas
particles have highest amount of energy

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