

Name: \_\_\_\_\_

Date: \_\_\_\_\_

## 5.1 Particle Model of Matter - Cornell Notes

1) 4 steps to the Particle Model of Matter:

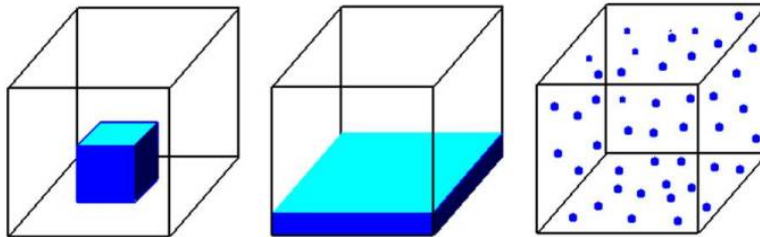
1)

2)

3)

4)

2) States of Matter:



**Solid**

**Liquid**

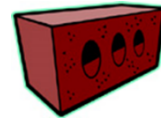
**Gas**

Name: \_\_\_\_\_

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3) Solids:

- The particles are held together \_\_\_\_\_.
- The spaces between the particles are \_\_\_\_\_
- A solid has particles that barely move. They \_\_\_\_\_.



4) Liquids:

- As a solid is \_\_\_\_\_, the particles \_\_\_\_\_ and break away from their fixed positions forming a liquid.
- The particles in a liquid are separated by spaces large enough to allow particles to move. They \_\_\_\_\_.



5) Gasses:

- When a \_\_\_\_\_, particles move more quickly and break free of other particles and liquid changes to gas.
- A gas is mostly \_\_\_\_\_, the particles move freely



6) Changes of State:

- **Melting** \_\_\_\_\_ → \_\_\_\_\_
- **Freezing** \_\_\_\_\_ → \_\_\_\_\_
- **Evaporation** \_\_\_\_\_ → \_\_\_\_\_
- **Condensation** \_\_\_\_\_ → \_\_\_\_\_
- **Sublimation** \_\_\_\_\_ → \_\_\_\_\_
- **Deposition** \_\_\_\_\_ → \_\_\_\_\_

