

Particle Theory and Matter

Date: _____ Name: _____

Matter – anything that has _____ and takes up _____

The three common forms of matter are _____, _____, and _____.

The _____ of matter can give us a better understanding of the differences between solids, liquids, and gases.

Particle Theory:

- All matter is made up of _____
- There are _____ between these particles
- Particles are always _____
- More _____ = faster _____
- Particles in matter are _____ to each other

Solids

- The particles are _____ in place
- There is little _____ between the particles.
- The particles do not _____ or _____ past each other easily.

Liquids

- The particles are _____ in place
- There is little _____ between the particles. There is more in-between space than in a solid.
- The particles can _____ or _____ past each other easily.

Gases

- The particles are _____ in place
- There is lots of _____ between the particles.
- The particles do can _____ past each other easily