

Particle Theory of Matter

1. Matter is made up of tiny particles. (Atoms & Molecules)
2. Particles of Matter are in constant motion. All particles of one substance are identical.
3. Particles of Matter are held together by very strong electric forces.
4. There are empty spaces between the particles of matter that are very large compared to the particles themselves.
5. Each substance has unique particles that are different from the particles of other substances.
6. Temperature affects the speed of the particles. The higher the temperature, the faster the speed of the particles. In a gas, there are spaces between the particles; in liquids and solids, the particles are close together and have strong forces of attraction between them.