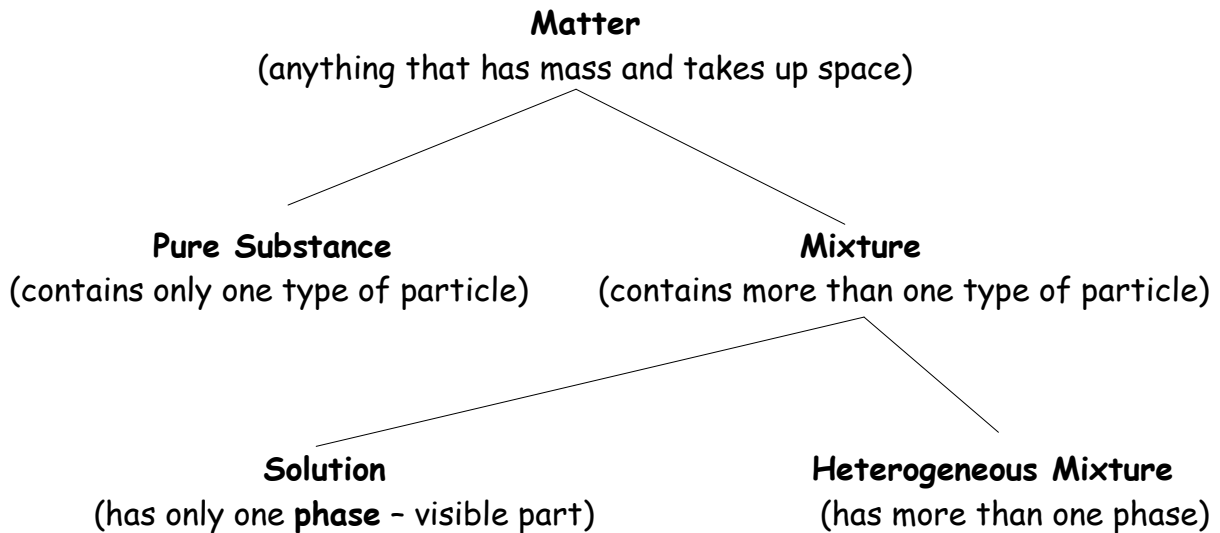


# The Particle Theory

**Matter** is anything that has mass and takes up space (volume). It can be further subdivided into other categories.



Any form of matter can be broken down into tiny particles too small to be seen. To break this particle into anything smaller would change its original properties.

**The Particle Theory** describes the nature of these particles:

1. All matter is made of tiny particles.
2. The particles of one substance differ from those of a different substance.
3. The particles are in constant motion.
4. Adding energy increases particle motion, and removing it slows them down.
5. The closer together the particles are, the stronger the attraction between them.