

States of Matter Review Questions

1. All matter has both _____ and _____
2. Matter exist in three common states _____, _____ and _____
3. Type of particles found in matter are _____, _____ and _____

Property	Solid	Liquid	Gas
Shape		Takes the shape of the part of the container it is in. The surface is always horizontal.	Takes the shape of the entire container it is in.
Volume	Fixed		Variable- it expands to fill the container it is in.
Arrangement of particles	Packed closely together, usually in a regular way	Have small spaces between and are randomly arranged	Have spaces between and are randomly arranged
Forces of attraction between the particles		Weaker than those between the particles in a solid	Very weak
Energy possessed by the particles	Possess very small amounts of kinetic energy	Possess kinetic energy than the particles in a solid	Possess large amount of kinetic energy
Movement of the particles	about their mean position	Move slowly past each other	Move around freely and rapidly

_____ is the constant temperature at which a solid changes state into a liquid.

_____ is the constant temperature at which a liquid changes state into a gas.

_____ is the constant temperature at which a liquid changes state into a solid.