



# Fill in the blanks

CHANGE: The transformation from one \_\_\_\_\_ to another.

MATTER: Anything that has \_\_\_\_\_ and occupies space.

Three States of Matter: \_\_\_\_\_, \_\_\_\_\_ and \_\_\_\_\_.

# Fill in the blanks

The chemical formula of a molecule shows the \_\_\_\_\_ and \_\_\_\_\_ of atoms contained in it.

The \_\_\_\_\_ shows the number of \_\_\_\_\_ in the molecule of an element or compound.

	SOLID	LIQUID	GAS
Arrangement of Particles	_____ are arranged in a _____ pattern	Particles are _____ to move in the liquid	Particles are free to move _____
Distance between particles	_____ are _____ together	Particles are _____ close to one another	Particles are _____ apart
Forces of mutual attraction between particles	Very strong _____ of mutual _____ between particles	Forces of _____ attraction exist between particles	_____ forces of mutual attraction between particles
Motion of particles	Particles _____ about their _____ positions.	Particles vibrate, but can change their _____	Particles move freely at high speeds, _____ any available

Chemical Formulae	Chemical names
1.	Sucrose
2.	Glucose
3. $\text{NaOH}$	
4. $\text{H}_2\text{SO}_4$	Sulfuric acid
5. $\text{KMnO}_4$	
6.	Magnesium sulfate
7.	Carbon tetrachloride
8. $\text{H}_2\text{O}_2$	
9. $\text{NH}_3$	
10.	Sodium chloride
11. $\text{HCl}$	Hydrochloric acid
12. $\text{CH}_4$	