




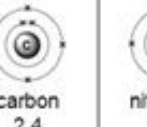
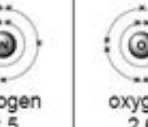
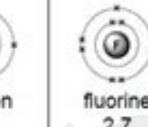
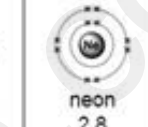



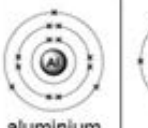

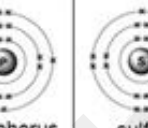







Atomic structure and electronic Configuration of first 20 elements of the periodic table

 hydrogen 1							 helium 2
 lithium 2.1	 beryllium 2.2	 boron 2.3	 carbon 2.4	 nitrogen 2.5	 oxygen 2.6	 fluorine 2.7	 neon 2.8
 sodium 2.8.1	 magnesium 2.8.2	 aluminium 2.8.3	 silicon 2.8.4	 phosphorus 2.8.5	 sulfur 2.8.6	 chlorine 2.8.7	 argon 2.8.8
 potassium 2.8.8.1	 calcium 2.8.8.2						

Comparing elements/compounds and mixtures

Element	Compound	Mixture
Cannot be broken to anything simpler by chemical means Or made up of only one type of an atom	Two or more elements chemically bond together to form a compound	Two or more substances that are not chemically bonded together are termed as a mixture

Comparing metals and non-metals

Physical property	Metals	Non-metals
Electricity	Conduct	Do not conduct
Heat	Conduct	Do not conduct-exception is graphite
Malleable	yes	No. They are brittle.
Ductile	yes	No. They are brittle.
Lustrous	yes	No They are dull-exceptions iodine and graphite
Sonorous	yes	No. They are non-sonorous