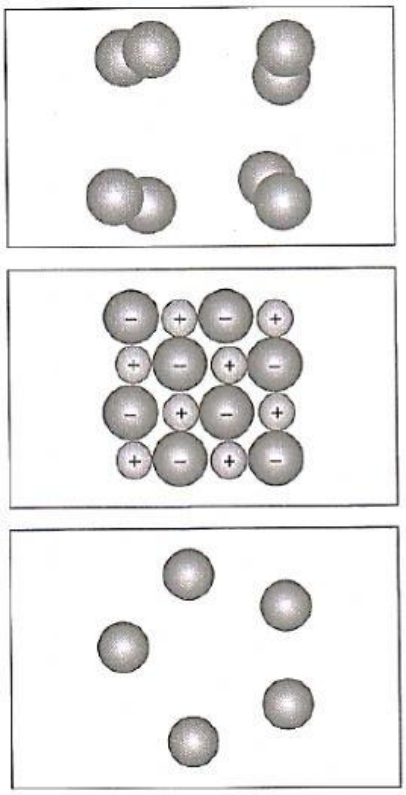
8.1 Matter

1. ..... are the smallest particles of an element that take part in chemical reactions.
2. ..... consists of two or more atoms which are chemically joined together.
3. ..... is a charged particle which is formed when an atom loses or gains electrons.
4. Metals and noble gases are substances made of .....
5. When a non-metal reacts with another non-metal, a compound made of ..... is formed. Examples are ..... and .....
6. When a metal reacts with a non-metal, a compound made of ..... is formed. Examples are ..... and .....

7. Match the following diagram with the correct names.



Atom
Atom

Molecule
Molekul

Ion
Ion

8. Complete the diagram below using the words given. Drag and drop the answers.

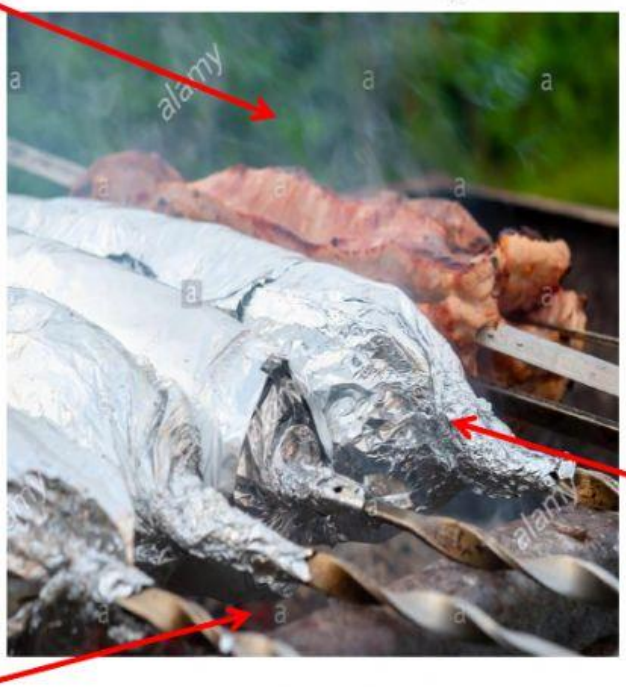
Carbon	Carbon Dioxide	Atom	Sodium chloride

Salt.

..... ion

Smoke

..... molecule



Aluminium foil

Aluminium .....

Charcoal

..... atom

9. Classify the following substances.

Limestone	Gold ring	oxygen	Iron nail	Ice cube	Copper wire
Sulphur	Zinc sheet	Common salt	Sugar	Copper Sulphate	Iron rust

ATOMIC SUBSTANCE	MOLECULAR SUBSTANCE	IONIC SUBSTANCE

10. State the form of carbon element in the substances below:

Carbon dioxide gas : .....

Charcoal : .....