

Chemistry

Non-metals

Answer the following in One or Two sentences:

1. Give examples for non metals.

Non-metals are the elements which form negative ions by gaining electrons. Hydrogen, oxygen, carbon, sulphur, silicon and phosphorous are some of the non – metals.

2. Mention the physical state in which the non metals occur?

All the non – metals are either solids or gases, except bromine which is a liquid non – metal at the room temperature.

3. Name the non metal which is placed on the left side of the periodic table.

Only one non – metal hydrogen (H) has been placed on the left side of the periodic table.

4. Write the electronic configuration of C, N, O, F and Ne.

Carbon	$1s^2 2s^2 2p^2$
Nitrogen	$1s^2 2s^2 2p^3$
Oxygen	$1s^2 2s^2 2p^4$
Fluorine	$1s^2 2s^2 2p^5$
Neon	$1s^2 2s^2 2p^6$

5. What is the action of heat on C and S and subsequently heating the gaseous product in water? Write balanced chemical equation.

Non – metals like carbon and sulphur combine with oxygen to form CO_2 and SO_2 respectively. These oxides dissolve in water to give carbonic acid and sulphurous acid.

