

CW

20/12/21

Metals & Non-Metals

1) Mention the conditions for the rusting to take place.

ans- The conditions for rusting are:-

→ Air

→ Moisture

→ The presence of acidic gases like carbon dioxide, sulphur dioxide, sulphur trioxide and nitrogen dioxide.

2) Write the chemical formula of Rust.

ans- The chemical formula of rust is Fe_2O_3 .

3) Differentiate between metals & non-metals based on hardness & ductility.

ans-	Metals	Non-metals
	<p>→ Most metals are hard. (Exception: sodium & potassium are soft metals and can be cut with a knife).</p>	<p>→ Solids non-metals, sulphur & phosphorus are soft, (where whereas carbon in the form of diamond is the naturally occurring hardest substance)</p>
	<p>→ Metals are ductile that is they can be drawn into wires. Gold, silver, copper, aluminium & tungsten are the most ductile metals.</p>	<p>→ Non-metals are not ductile. (Exception: Carbon fibre).</p>