

Types of Reactions

Corrosion

- When most metals combine with atmospheric oxygen to form metal oxides

FORMULAR: metal + oxygen gas $\rightarrow$ metal oxide

Combustion

Endo vs Exo

Endothermic Reactions

Absorbs energy to break bonds

In the form of heat

Surrounding temp goes down

Exothermic Reactions

Releases energy when new bonds form

In the form of heat

Surrounding temp goes up

Reactions with Oxygen

Combustion

Substance burns in oxygen producing **light + heat**

Corrosion

Most metals combine with oxygen gas in air $\rightarrow$ metal oxide

metal + oxygen gas $\rightarrow$ metal oxide

Respiration

Glucose and oxygen to produce carbon dioxide and water

Glucose + Oxygen $\rightarrow$ carbon dioxide + water



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