

UNIT 5. CHEMICAL REACTIONS OXIDATION AND FERMENTATION

1. Match to make true sentences.

- | | | | |
|--|---|---|--|
| The new substances produced by oxidation | ● | ● | oxygen in the air to make new substances. |
| The atoms of these substances react with | ● | ● | are normally a different colour. |
| We can see oxidation occurring | ● | ● | where a substance changes because oxygen is added. |
| Oxidation is a chemical reaction | ● | ● | in different foods and on metals. |

2. Categorise the characteristics of chemical reactions.

salt speeds it up used in food production

involves microorganisms produces light and heat

also known as burning there is no oxygen

rust is produced needs oxygen, fuel and energy

oxygen is added

Combustion	Oxidation	Fermentation

3. Match to make true sentences.

- | | | | |
|-----------------------------|---|---|--|
| Oxidation | ● | ● | the atoms within substances are rearranged and joined together in different ways. |
| During a chemical reaction, | ● | ● | is a rapid chemical combination of a substance with oxygen. |
| Combustion | ● | ● | is a chemical reaction where a substance changes because oxygen is added. |
| Fermentation | ● | ● | occurs when there is no oxygen and involves microorganisms which transform sugars into organic substances. |