

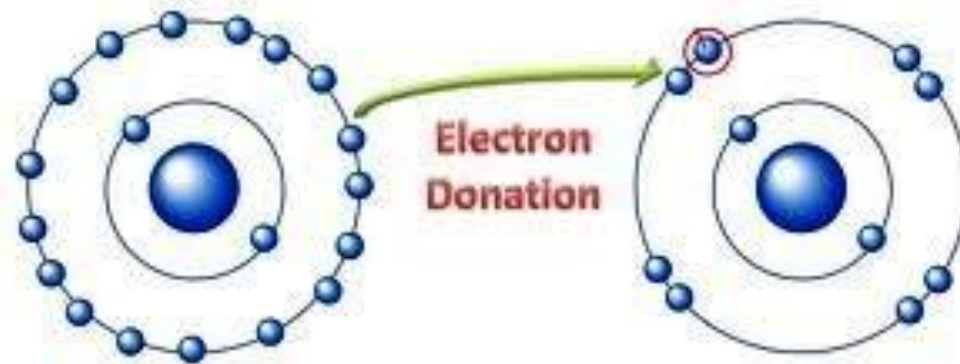
Antioxidants

Definition :

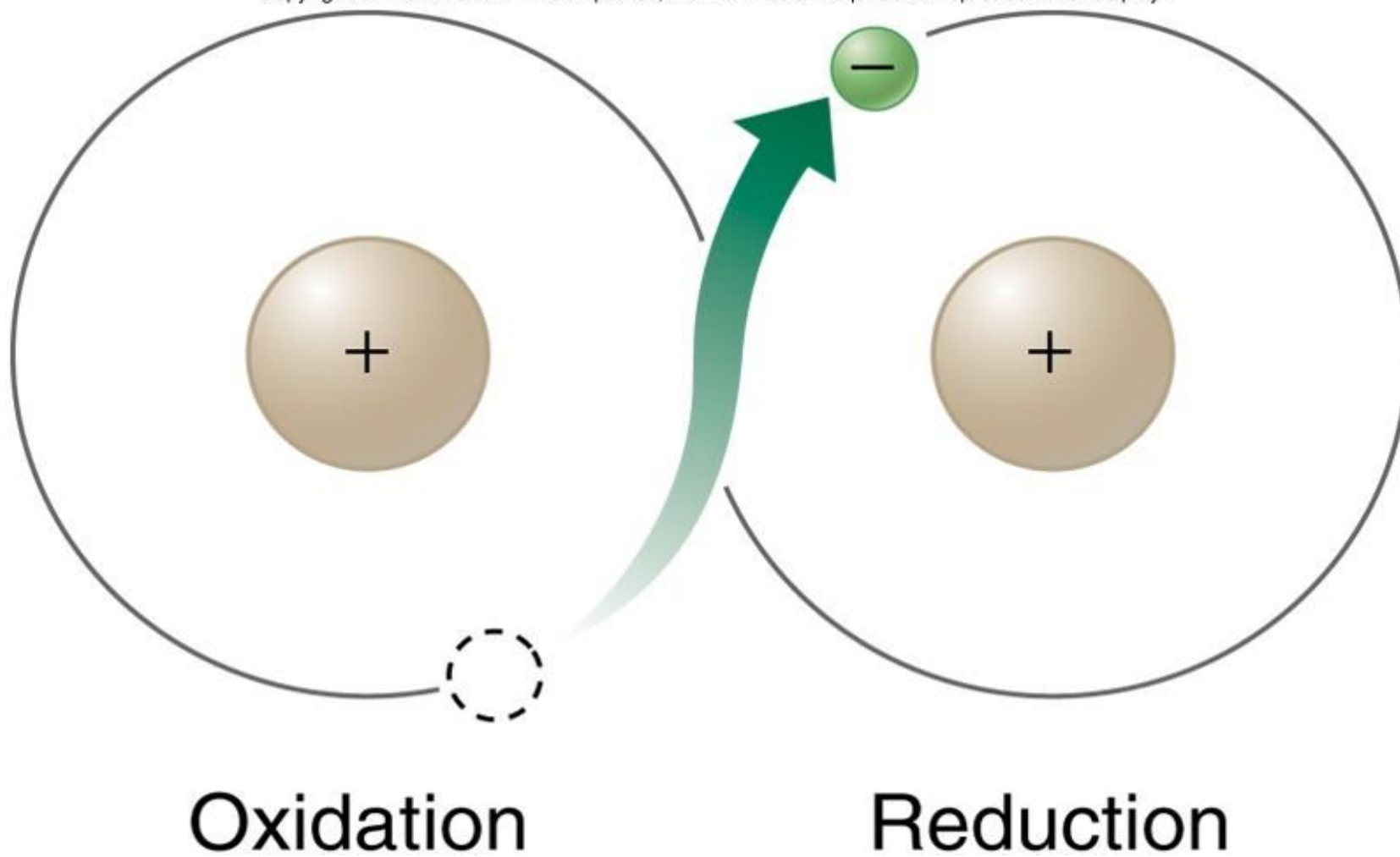
“The agent which used to prevent oxidation is known as antioxidants.”

Eg- Nitrogen

Antioxidant



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Hypophosphorus Acid



MOP:-

By reacting calcium hypophosphite with acid like sulphuric acid



Properties :-

a) Physical Properties:

Colorless or slightly yellow colored liquid

Odorless

Miscible with water

Miscible with alcohol

Miscible with ether

aqueous solution is strongly alkaline in nature

b) Chemical Properties:-

i) When it react with chlorine it gives

hydrochloric acid



ii) It reduce iodine to iodide

Uses:

Antioxidant

**For Preparation of ferrous
iodide syrup**

Preservative

Reducing agent

Nutrient formulation

**Nerve tonic (strengthens &
restores
nerve tissue)**

Storage

“ It should be stored in well closed container at a cool Place.”

Incompatibility

- Strong oxidizing agent like nitrate, permanganate
- mercury, silver, lead salts etc