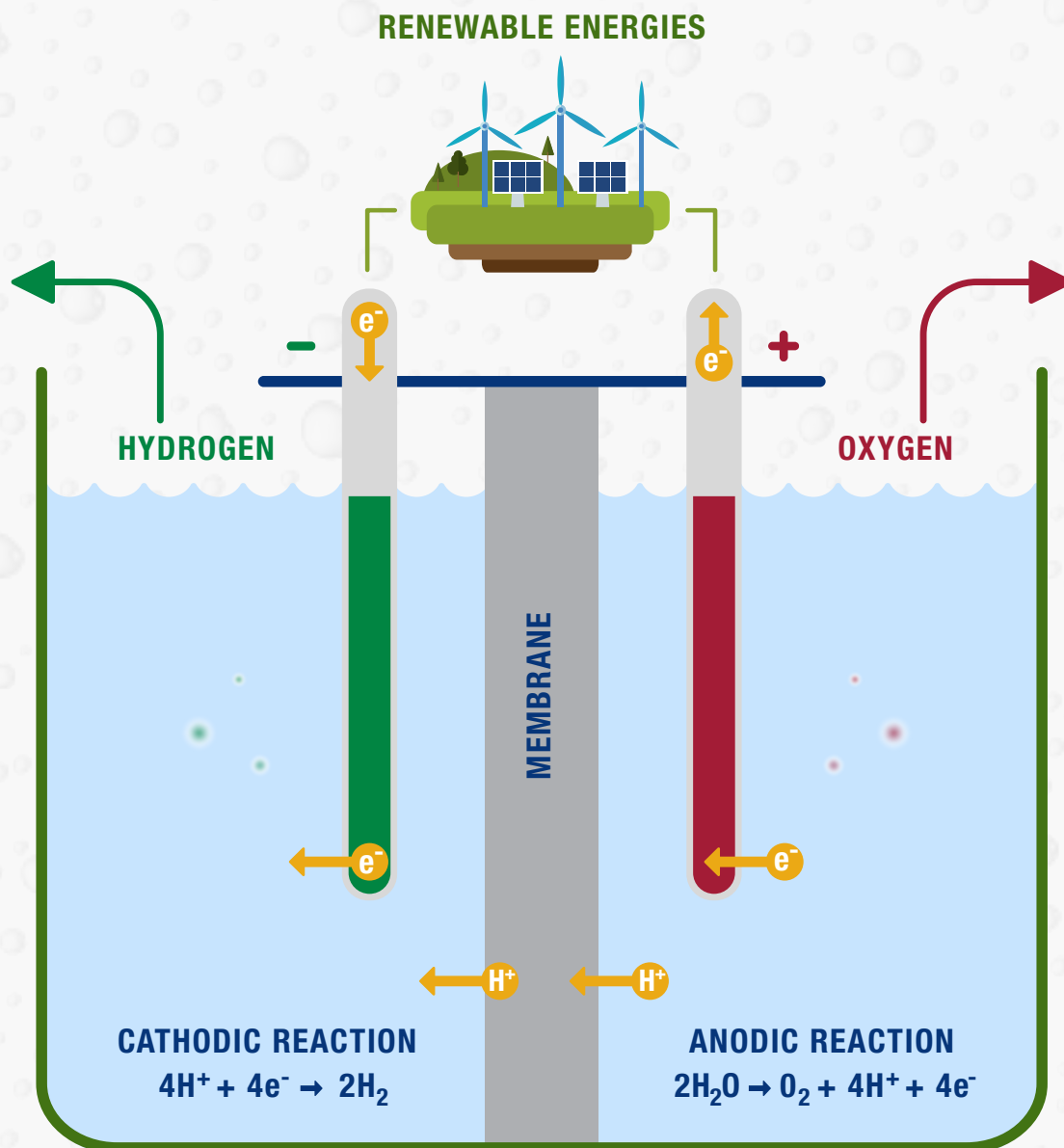


HOW IS GREEN HYDROGEN OBTAINED?

Producing green hydrogen by electrolysis from renewable sources involves breaking down water molecules (H₂O) into oxygen (O₂) and hydrogen (H₂).

1. The water used in the electrolysis must contain **salts and minerals** to conduct the electricity.
2. Two **electrodes are immersed in the water** and connected to a power source and a direct current is applied.
3. The dissociation of hydrogen and oxygen occurs when the electrodes attract **ions with an opposite charge** to them.
4. During the electrolysis, an **oxidation-reduction reaction** occurs due to the effect of the electricity.



Source: U.S. Department of Energy and Wood Mackenzie.