

Renewable power can replace fossil fuels in many uses

Buildings

Heating
Cooking
Lighting



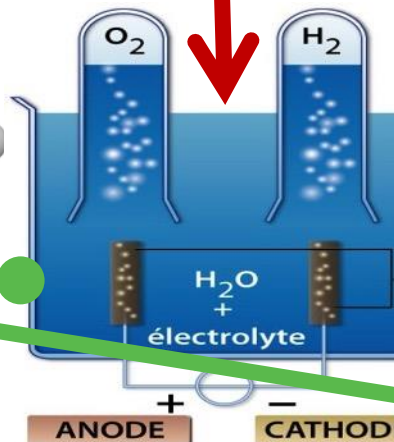
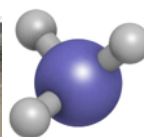
Power plants

Industry

Steam
Force
Electrolysis

Transports

EVs
H-rich fuels



Feedstock, process agents, fuel

Beyond current uses, renewable electricity can replace fossil fuels in direct uses in buildings, industry and transports, directly or through electrochemistry/electrolysis



Most relevant areas for green hydrogen use

- **Greening ammonia and methanol for their current industrial uses**
- **Refineries (contribute to cleaning fuels)**
- **Direct iron reduction in steelmaking**
- **NH₃ as a fuel (shipping, balancing power plants, industrial furnaces)**
- **H₂, CH₄, MeOH and synthetic HC as electro fuels for buildings, industry, transports...**
 - *Better if the carbon can be taken from the air!*
- **Enhancing biofuels production**

