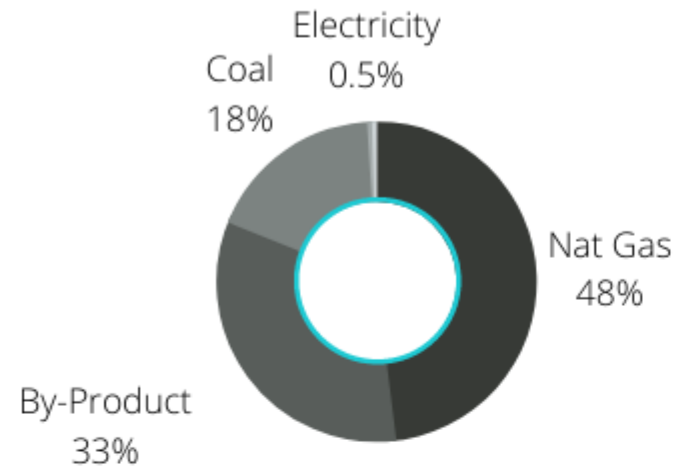
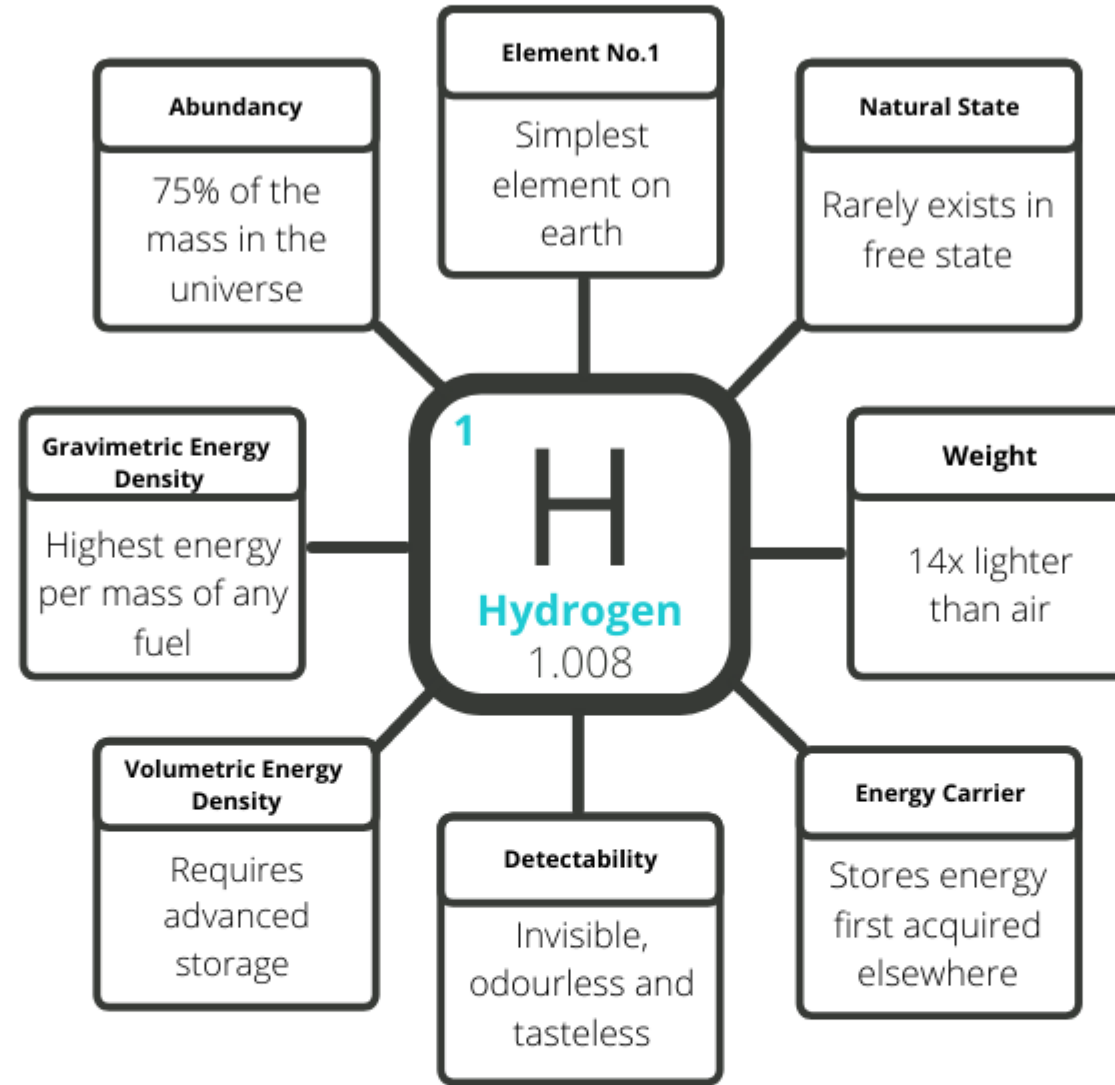
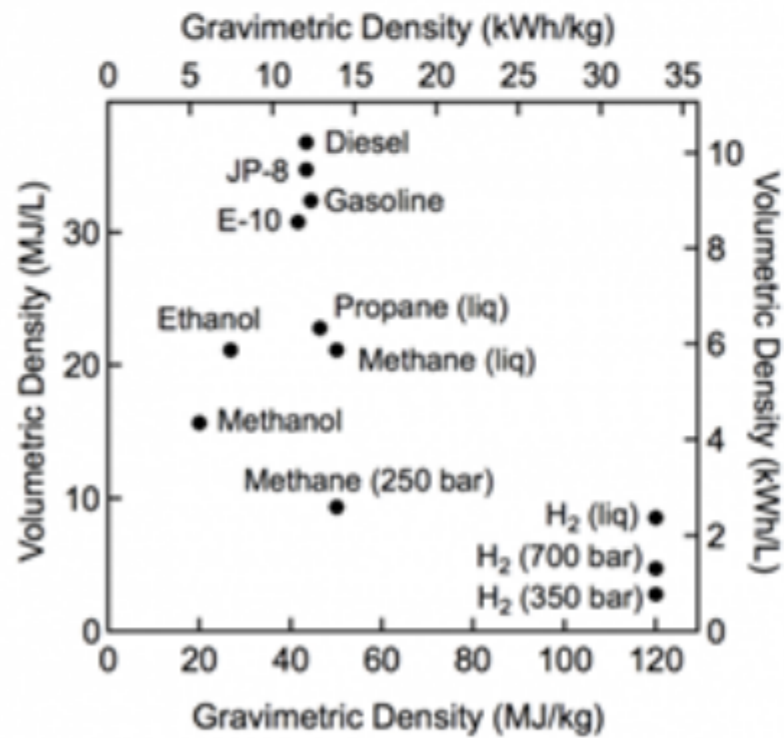


# Hydrogen Facts

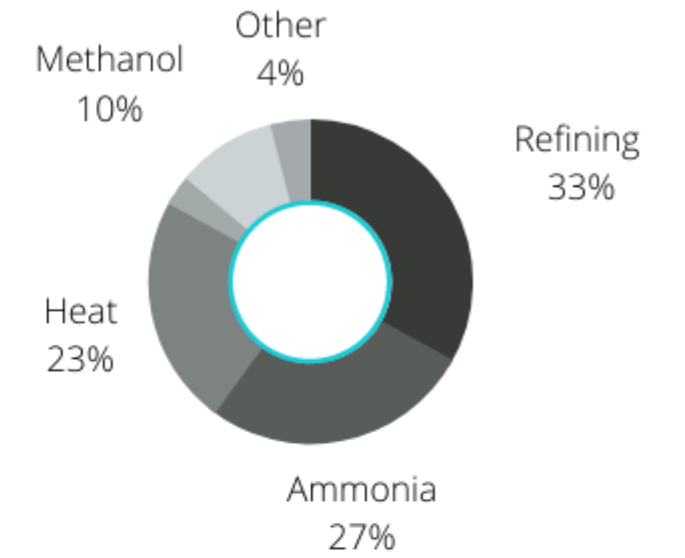
## The Supply



**Global Hydrogen Production**  
0.55 Mt/y (IEA 2021)



## The Demand



**Global Hydrogen Demand**  
70 MtH<sub>2</sub>/yr (IEA 2021)

## The Opportunity

By 2050, hydrogen could meet 14% of U.S. energy demand (S&P Global Platts 2020)

The global hydrogen market in 2019 was valued at US\$117.49 Billion (Grandview Research 2020)

Proton's LCOH at scale is <US\$0.25/kg and ZERO emissions

### Color classification

Brown H <sub>2</sub>	Grey H <sub>2</sub>	Blue H <sub>2</sub>	Green H <sub>2</sub>	Clear H <sub>2</sub>
Gasification of Coal	Reforming of Natural Gas	Brown or Grey H <sub>2</sub> + CCS	Water Electrolysis Powered by Renewables	In Situ H <sub>2</sub> Extraction by Oxidation and Filtration
CO <sub>2</sub> Emitted to Atmosphere	CO <sub>2</sub> Emitted to Atmosphere	CO <sub>2</sub> Stored or Reused	No CO <sub>2</sub> Emitted	CO <sub>2</sub> Captured Underground (No Emissions)