Discovery of natural hydrogen

Cheap, vast, and potentially renewable sources of natural hydrogen sit underground.



- Gray hydrogen Made from fossil fuels, which release carbon dioxide and add to global warming.
- Blue hydrogen Same as gray hydrogen, but the carbon is captured and sequestered.
- Green hydrogen Made without carbon emissions by using renewable electricity to split water.
- Gold, White and Natural hydrogen are all the same thing. Tapped from natural subsurface accumulations.
- Orange hydrogen Stimulated by pumping water into deep source rocks.



It's the most common element in the



75% of all mass in the Universe is



90% of all are hydrogen



The Olympic flame is thought to be sourced from constantly burning natural hydrogen found in Turkey



The only product of the combustion is water vapour.

Hydrogen burns explosively in air (like methane or petrol), but does not produce any



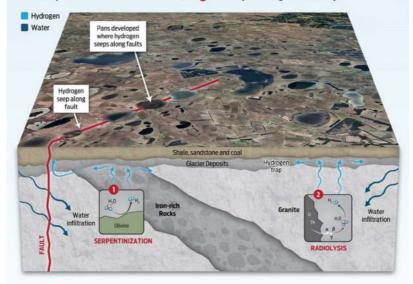
greenhouse gases, like CO2.



Turkey, where flames have been burning continuously 2 500 years.

These burning gases contain 7.5 -11% hydrogen.

Natural hydrogen found in Mpumalanga is formed continuously by geological processes - the energy to split hydrogen from water is provided by 0 geothermal heat (serpentinization of iron-rich rocks) or 0 naturally ocurring radioactivity.













Make today matter