HYDROGEN: AN ENERGY CARRIER



Attributes of Hydrogen

Lightest Element

Much lighter than air & rare to find in its molecular form

Abundancy

Most prominently available in sources like Water & Biomass

Nature of Emission

Only energy source with zero-carbon emission



Detectability

Invisible, Odourless, Tasteless & Non-toxic

Calorific Value

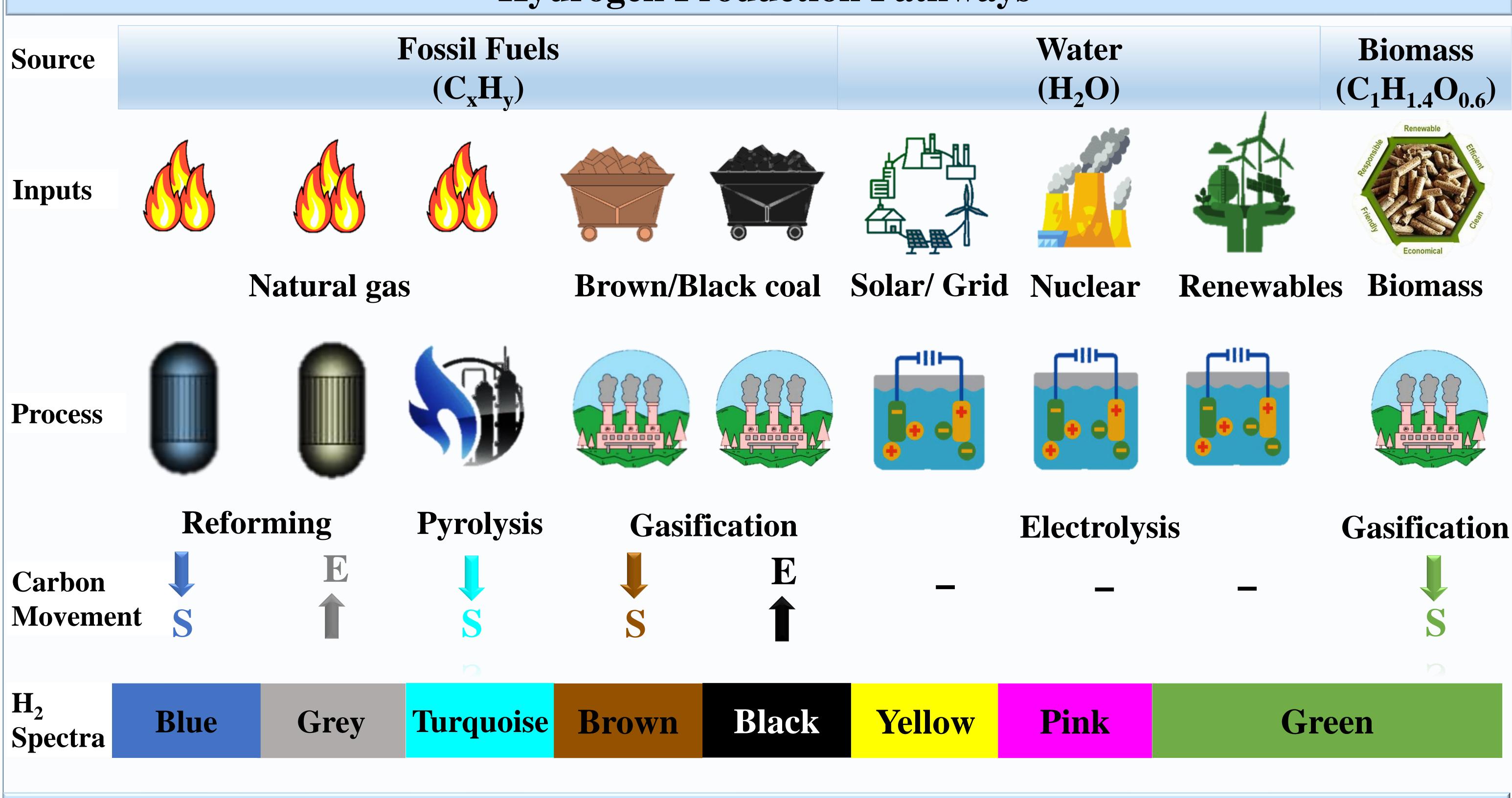
High energy density by mass & low volumetric energy density

Fuel of our Sun

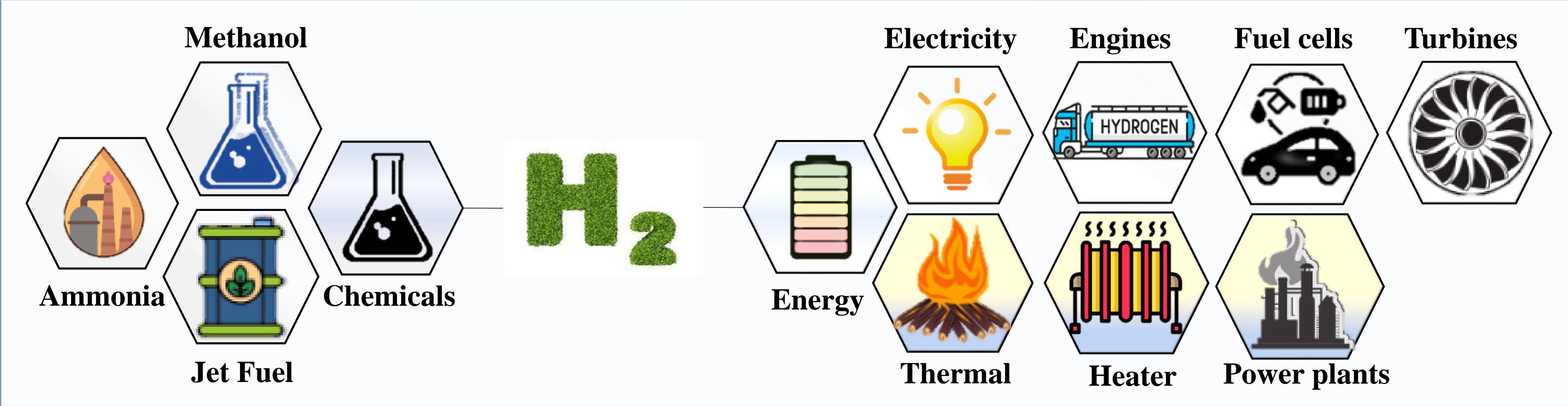
Hydrogen fuels stars through nuclear fusion

Hydrogen is like the celebrity of the energy world - everyone is fascinated by it, but it's notoriously difficult to access. Though it's a challenging and complex process, the rewards are enormous..!

Hydrogen Production Pathways



Applications of Hydrogen



Combustion, Gasification and Propulsion Laboratory Interdisciplinary Centre for Energy Research

