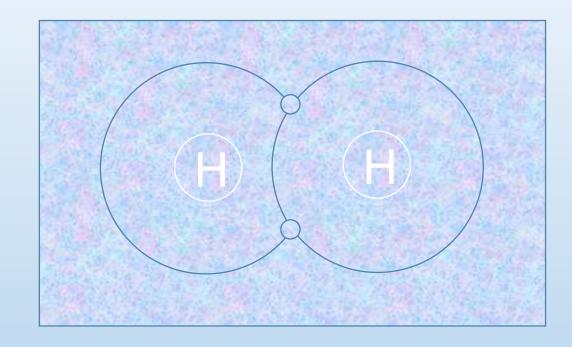
Molecular Hydrogen

- Designated as H₂
- The Lightest Gas & Smallest Molecule
- Two Hydrogen Atoms Bonded Together
- Very Stable & Non-Reactive
- Colorless, Tasteless, Odorless, Non-Irritating, and a Highly-Flammable Gas



Hydrogen Gas – H₂



Benefits of Molecular Hydrogen

- Selective Anti-Oxidant/Anti-Inflammatory Agent
- Easily Penetrates the Cell Membrane and Neutralizes Cytotoxic Free Radicals (OH or Hydroxyl Radical), Protecting DNA, RNA & Proteins from Damage
- Up-Regulates our body's own Antioxidant Enzymes via the Nrf2 Pathway
- May act as a Novel Signaling Molecule to Influence Cell Metabolism& Gene Expression





The number of Molecular Hydrogen Research Publications has been growing exponentially since 2007







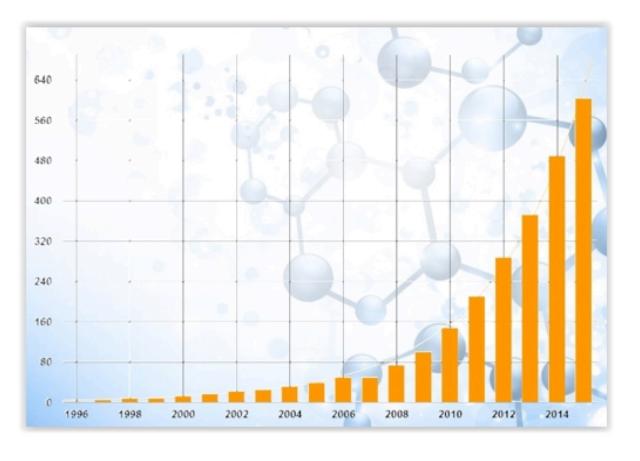


AMERICAN JOURNAL of PHYSIOLOGY Heart and Circulatory Physiology





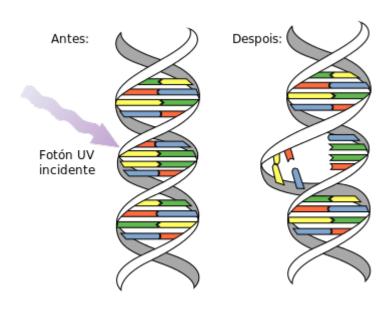


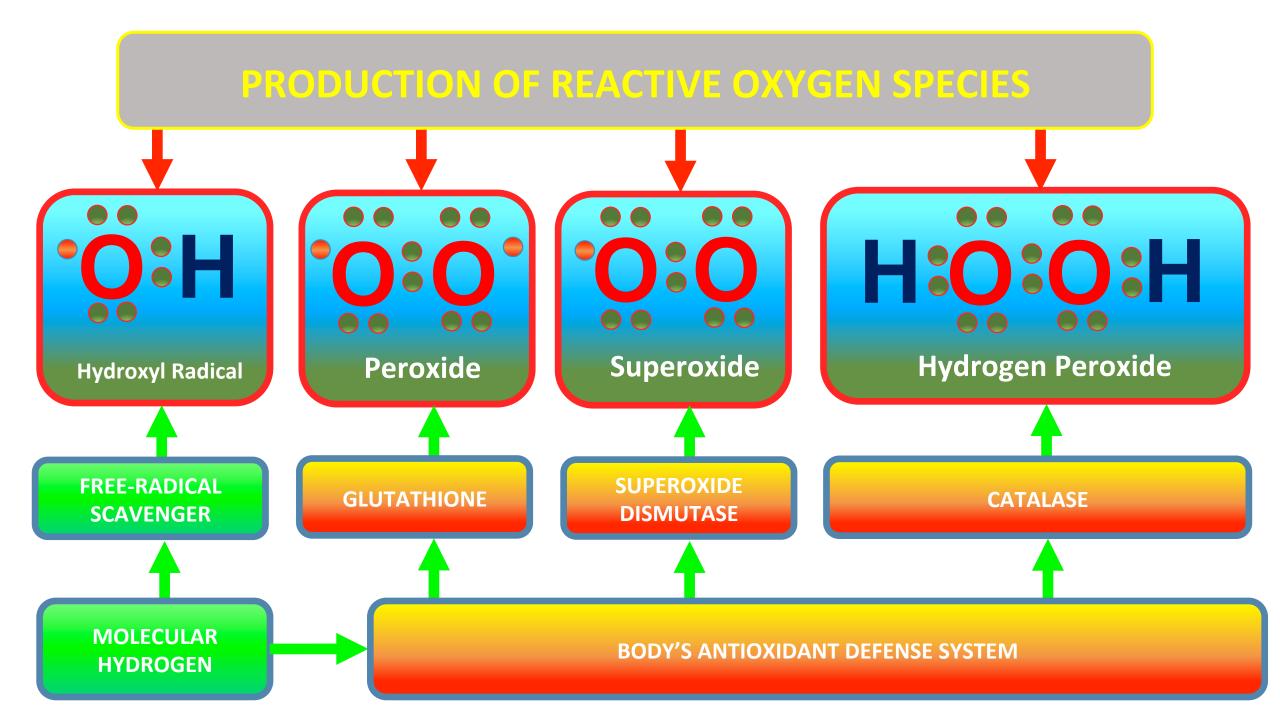




Free radials/oxidative stress

- Damage DNA, RNA, cell membranes, proteins
- Cause cell death and aging
- Linked to every disease:
 - Neurological disorders
 - Inflammatory disorders
 - Cancer
 - Diabetes
 - etc.





NEUTRALIZATION OF HYDROXL RADICAL BY H₂

