

A Sermon on Hydrogen

Sermon by Rev. Minister Angela Smith of COPE for October 20th, 2024 (and beyond)

This is a meditative sermon in #TaoFu short format. If you are unfamiliar with #TaoFu shorts, please follow <https://www.x.com/heal247> and/or <https://www.twitter.com/heal247>.

#TaoFu Riddler says: I am as old, if not older than the universe. I am the sun and the rain. Life would not exist without me as I am the bond that brings DNA strands together. I am capable of creation and destruction. I can restore, sustain, and heal while remembering previous patterns I've formed. Who or what am I?

#TaoFu Joker says: Hydrogen.

NOTES: Human body mass is 9.5% hydrogen. Source: <https://biobeat.nigms.nih.gov/2015/07/elements-that-keep-us-alive-also-give-color-to-fireworks/> Hydrogen is 13.8 billion years old and/or ageless (as old as the universe). "A tally of unique compounds shows that more contain carbon than do not. A similar claim can be made for hydrogen because most organic compounds contain hydrogen chemically bonded to carbon or another common element like oxygen or nitrogen...The simplest form of an organic molecule is the hydrocarbon—a large family of organic molecules that are composed of hydrogen atoms bonded to a chain of carbon atoms. A hydrocarbon backbone can be substituted by other atoms, known as heteroatoms." Source: <https://en.wikipedia.org/wiki/Carbon> "Hydrogen treatment could potentially be a future therapeutic strategy for ischemia and its derived neurodegenerative diseases by improving cognitive abilities and inducing antioxidative and antiapoptotic effects. Hydrogen treatment also decreased Bax and TNF α levels and induced an anti-inflammatory response via regulation of IL-2 and IL-10. These results will serve as a milestone for future studies intended to reveal the mechanism of action of molecular hydrogen in neurodegenerative diseases." Source: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8566066/> "Hydrogen is a common non-toxic and safe medical gas, and its beneficial effects on AD [Alzheimer's Disease] have been confirmed in many studies, mainly through anti-inflammatory, anti-oxidative stress, anti-apoptotic and the regulation of both autophagy and hormone signaling pathway." Source: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6352568/> Over 62% of the atoms composing a human body are hydrogen atoms. Source: <https://www.scienceabc.com/humans/what-elements-are-present-in-the-human-body.html> "The cool thing about burning hydrogen with oxygen is it produces WATER!" Source: https://www.anl.gov/sites/www/files/2020-09/Hydrogen%20Fuel%20from%20Water_v2.pdf The sun is 73% hydrogen gas. John Dalton used the Ancient Chinese, Ancient Egyptian, and European Renaissance symbol ☉ for the sun to represent hydrogen in his calculations. "A comprehensive review of the molecular basis of short and long-lasting synaptic plasticity literature leads us to propose that the hydrogen bonding pattern at the molecular level may be a permissive, vital step of memory storage. Therefore, we propose that the pattern of hydrogen bonding network of biomolecules (glycoproteins and/or DNA template, for instance) at the synapse is the

critical edifying mechanism essential for short- and long-term memories.” Source: https://pubmed.ncbi.nlm.nih.gov/25168338/#:~:text=A%20comprehensive%20review%20of%20the,Hydrogen%20Bonding*

For those interested in starting #TaoFu Self-Defense Exercises, please see <https://www.cope.church/taofu.htm> and begin at any time.

There are opportunities to send messages, receive mystery bonus blessings, and more with or without donating available now on our "Pass the Basket" page at <https://www.cope.church/basket.htm> . Thank You.

"And ye shall know the truth, and the truth shall make you free." John 8:32 KJV Willful blindness is an abomination.

COPE accepts Feedback, critical and complimentary. Learn more at <https://www.cope.church/feedback.htm> . For the sake of keeping myself and others humble, a sense of humor is welcome on all sides.