

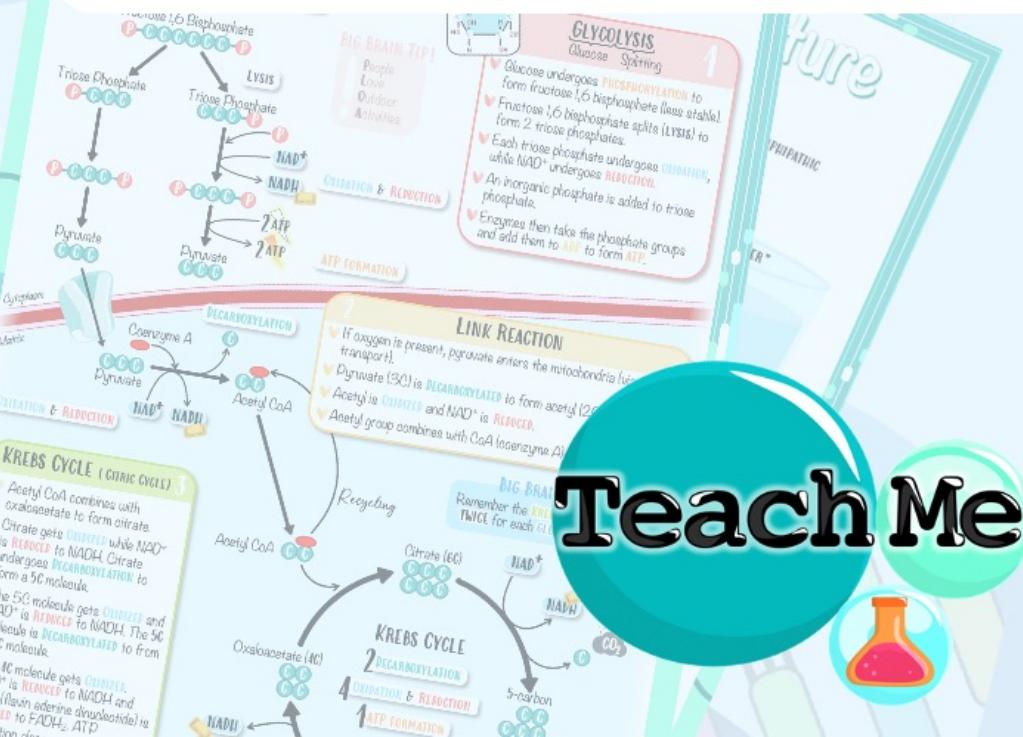
# TeachMe

# STUDY

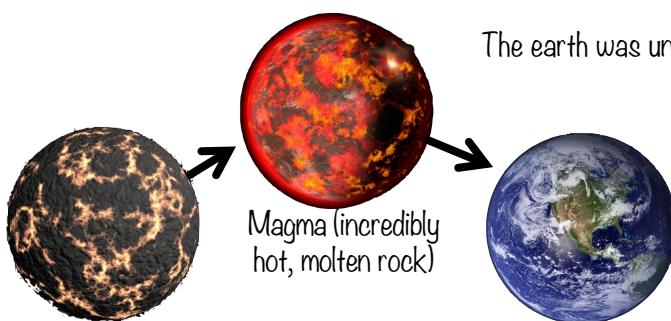
# NOTES

# A1.1 ORIGIN OF WATER ( HL )

Last update: 2024.04.07



# Origin of Water (HL)



The earth was uninhabitable but cooled down enough until it was able to hold water.

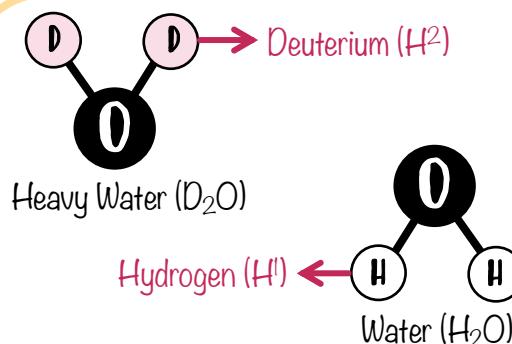
HOW?

## ASTEROID THEORY

Asteroids containing small amounts of water, would collide with the incredibly hot, magma earth. Enough collision would eventually cool down the earth.



## EVIDENCE



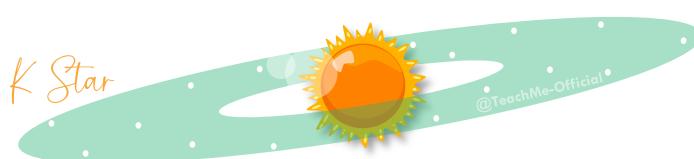
There are two types of water; water and heavy water. The ratio between these two on earth is similar to the ratio between them on the asteroids. Very likely that earth's water comes from the asteroids when they collided.

**GOLDILOCKS ZONE (HABITABLE ZONE)** - Area in solar system that would allow water to exist in its liquid form.

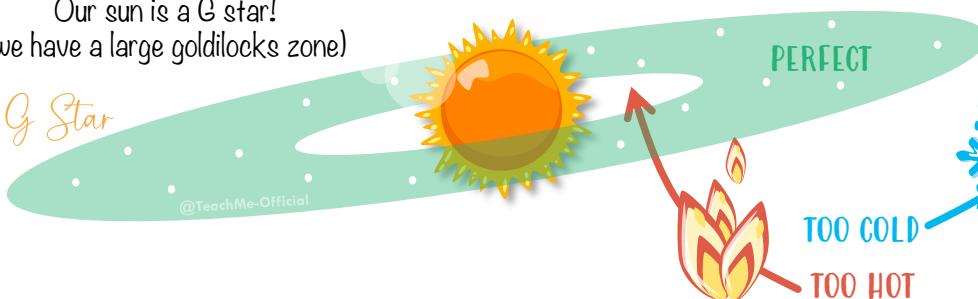


TO SUPPORT LIFE, A PLANET SHOULD...  
be in the Goldilocks Zone

- Water (Liquid form)
- Suitable temperatures, Gravitational pull
- Atmosphere & Magnetic field (protect from sun)



Our sun is a G star!  
(we have a large goldilocks zone)





# Notes

1. **What is the primary purpose of the study?** The study aims to evaluate the effectiveness of a new treatment for hypertension in a diverse population.