

EXOPLANETS AND LIFE BEYOND EARTH

LECTURE 4 WORKSHEET

COULD THERE BE LIFE?

Circle the planets which could host life on its surface.

**Hot
Jupiter**

**Super-
Earth**

**Tidally
locked
rocky
planets**

**Lava-
world**

TRUE OR FALSE

T | F : Planets in the Goldilocks zone can have water oceans.

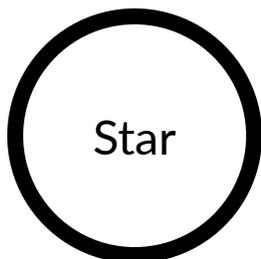
T | F : Lava-worlds are far away from their host stars.

T | F : The Star Wars planet Tatooine could be real.

T | F : The Trappist-1 system has 3 planets in the Goldilocks zone.

THE GOLDILOCKS ZONE

- 1) Highlight the region where water could exist in liquid form.
- 2) Draw a planet that could have liquid water oceans



392°F

212°F

32°F

-148°F