

S1 Astrobiology: Worksheet 1

Life exists on Earth because all the physical conditions for life are '**just right**'. What do you think those conditions are?



Activity 1: Conditions for Life on Earth

Your aim is to identify the conditions necessary for life on Earth. You will do this by comparing the Earth to the Moon, and the Sun.

Use your own experience and the internet to collect facts for each. Use the links to take you to useful NASA sites. As a guide compare surface temperature, atmosphere and the elements present for each.



<https://solarsystem.nasa.gov/planets/earth/overview/>



<https://solarsystem.nasa.gov/solar-system/sun/overview/>



<https://solarsystem.nasa.gov/moons/earths-moon/overview/>



We know life exists on Earth so what has Earth got the Moon and the Sun don't have?

Compare the facts you have collected for each and state 5 conditions for life.

Conditions for Life on Earth:

1.

2.

3.

4.

5.

Now check your answers on the power point.