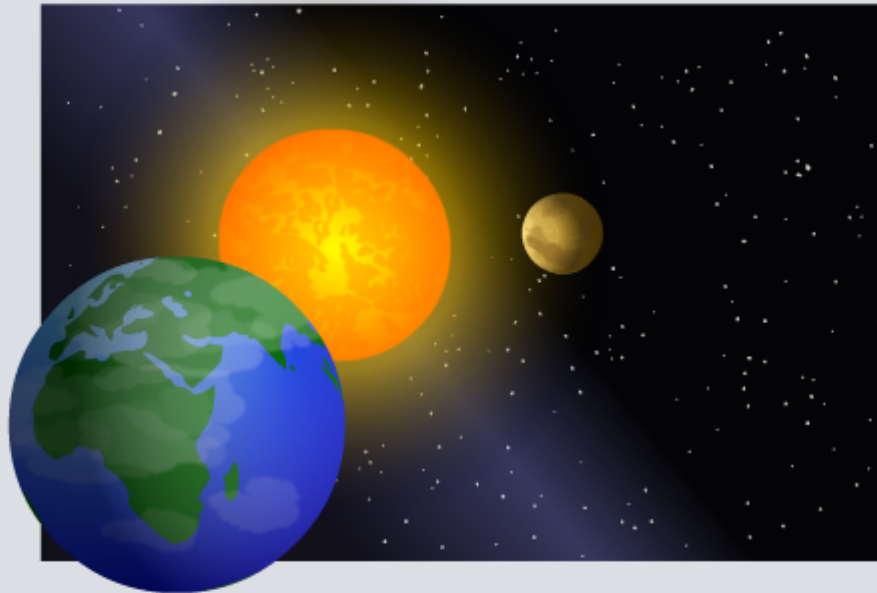


Structure of the Universe



How big is the Universe?

When thinking about the Universe, it can be difficult to understand the size and scale that is involved.

One way to think about this is to imagine the known Universe scaled down to the size of planet Earth.

Our galaxy would be equivalent to the size of just one micron – that's roughly the same size as a small piece of dust!

To find the Sun, you would have to shrink down to stand on the piece of dust.

It would then be like finding one particular grain of sand in a seven-meter-wide circular pool filled with sand!

And this is just the known Universe...



Size in the Universe

moon

The Moon is the Earth's only natural satellite.

planet

star

solar system

galaxy

universe

The Moon has a diameter of 3.4 million meters, which is about a quarter the diameter of Earth.





Arrange the following objects in order of size,
starting with the smallest.

- 1 galaxy
- 2 solar system
- 3 star
- 4 planet
- 5 Universe
- 6 moon



solve



Terms about the Universe



Match these words about the Universe to their definitions

star

All the galaxies and everything else that exists.

Universe

The Sun is one of these.

galaxy

There are eight of these in our Solar System.

Solar System

The planets and other bodies orbiting the Sun.

planet

Millions of stars together, like the Milky Way.



solve



Identify the celestial objects



What is the name of each celestial object shown?

1



the Moon

comet

planet

star

galaxy

neutron

white
dwarf

meteor

the Solar
System

black
hole

eclipse

nebula

the Earth

red giant

the
Universe

