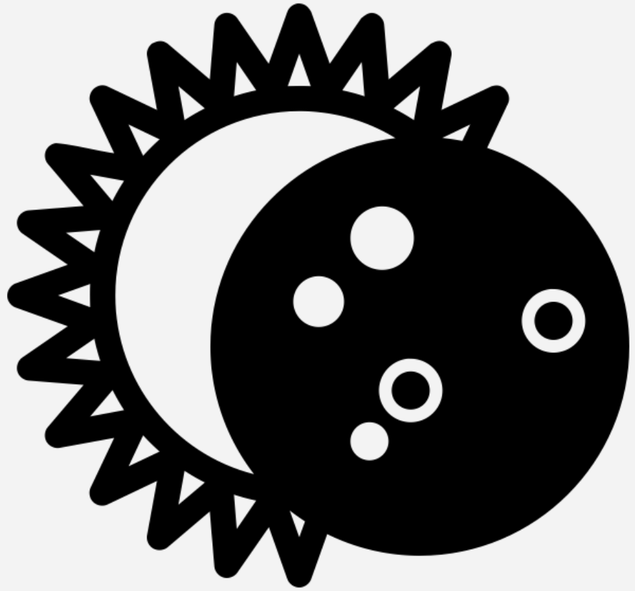
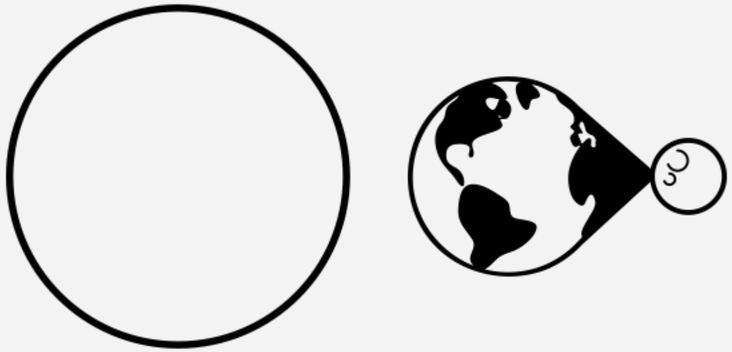
Science - Space

What are solar and lunar eclipses?

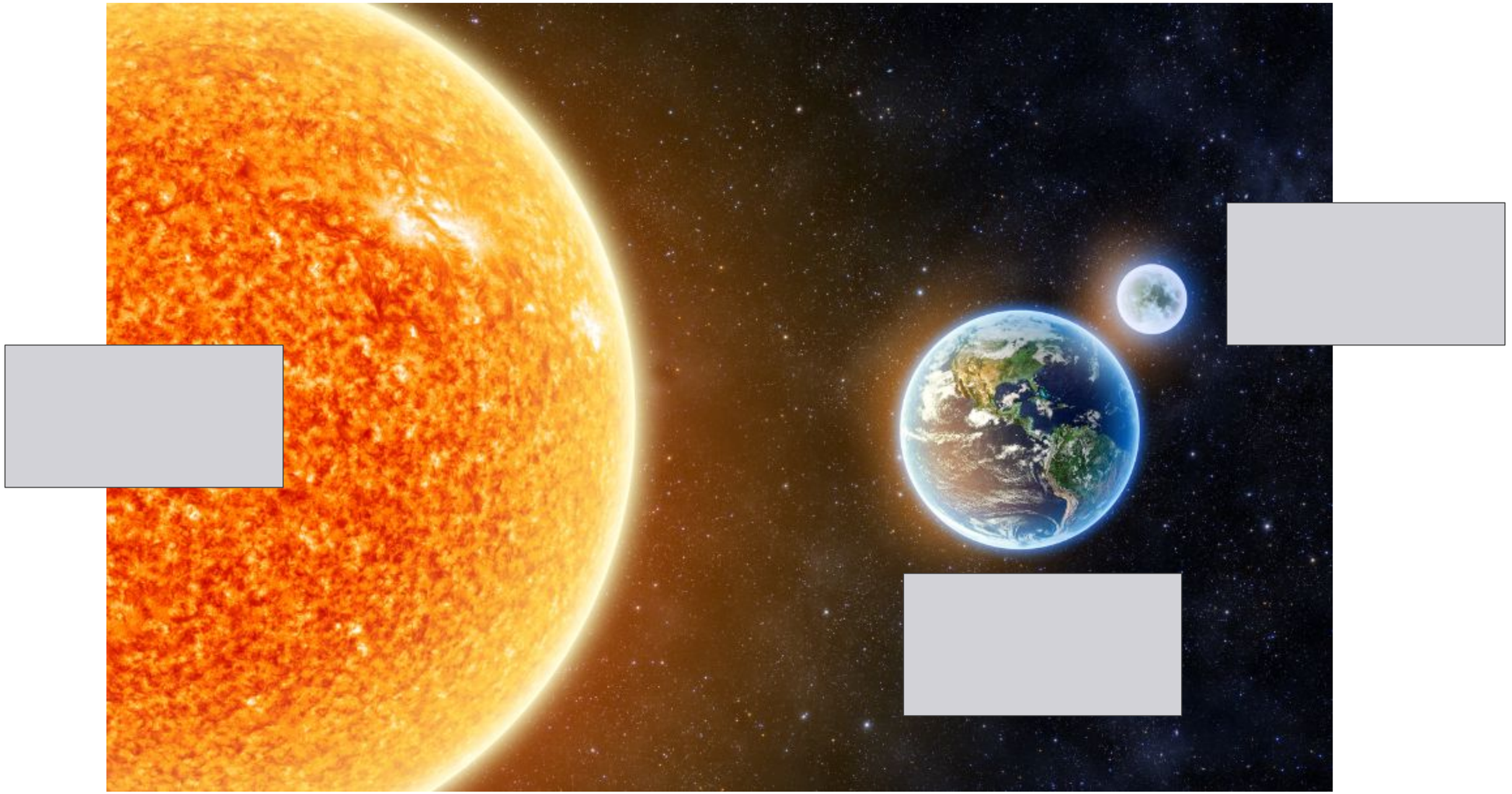




Solar Eclipse by art shop from the Noun Project
Lunar Eclipse by Claire Jones from the Noun Project

Miss Hummel

Label the Earth, the Sun and the Moon in this picture:



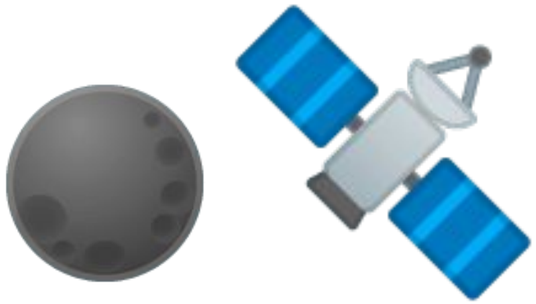
Earth and the Sun - Elements of this Image Furnished By NASA, By Aphelleon, In License with Shutterstock

Complete this sentence:

The _____ orbits the Earth and the _____ orbits the Sun.

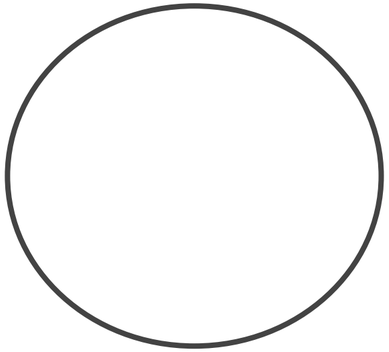
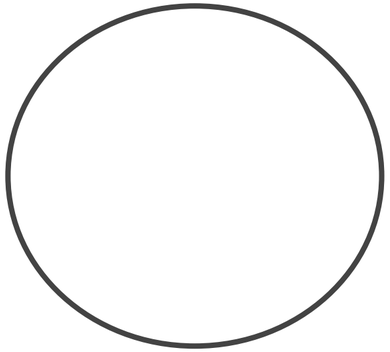
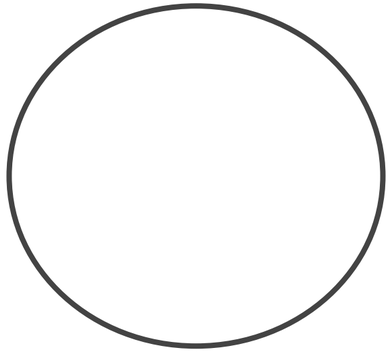
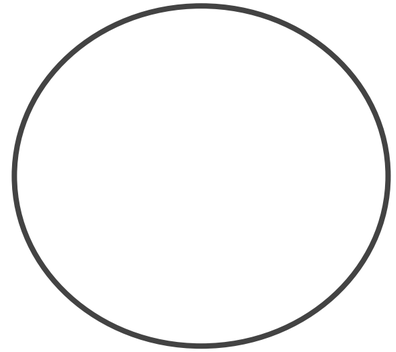


Answer these questions:



1. What is a satellite?
2. Write your answer with the correct option:
   a. The moon is an example of a natural/artificial satellite.
   b. The International Space Station is an example of a natural/artificial satellite.

Use the diagram we just saw to write down what the moon looks like from the north part of the Earth at each of the following points in its cycle (colour in the parts you wouldn't be able to see):

First Quarter	Full Moon	Third Quarter	New Moon
			

Answers:

First Quarter	Full Moon	Third Quarter	New Moon
			

Fill in the gaps below:

1. A Solar Eclipse happens when the _____ comes in between the Sun and the _____. This casts a shadow over the _____.
2. A Lunar eclipse happens when the _____ comes in between the Sun and the _____. This casts a shadow over the _____.

Thinking Task:

Why do we have to be very careful about staring at a Solar Eclipse directly?