



The Lunar Eclipse

An Amazing
Fact a Day

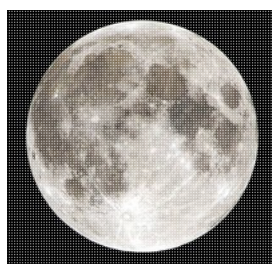
A group of people called 'The Flat Earth Society' believe that the Earth is flat and that the idea that it is a sphere is a conspiracy.

You could try to find out:

- about the history of understanding of the shape of the Earth;
- how 'Flat Earthers' imagine the Earth looks;
- what proof is used to demonstrate that the world is a sphere;
- what proof is used to demonstrate that the world is flat.

Around twice a year, something special happens during the Full Moon that allows us to determine something about the shape of the Earth: a lunar eclipse!

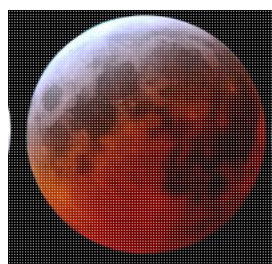
When the Moon is full and the Earth passes directly between the Sun and the Moon, the Earth's shadow shows up on the Moon's surface!



Penumbra



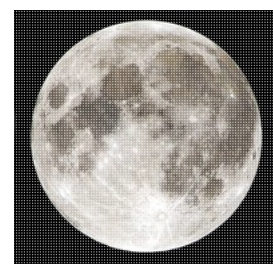
Partial



Total Eclipse



Partial



Penumbra

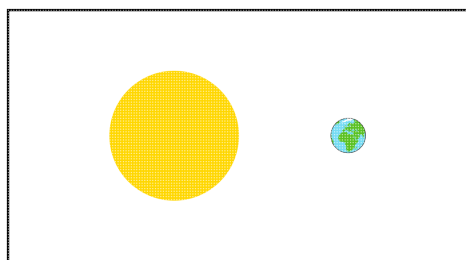
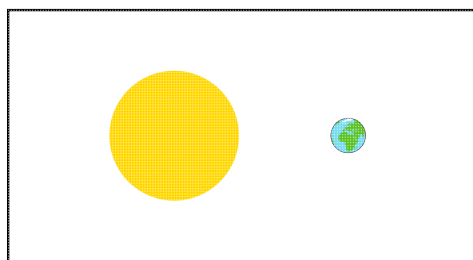
Photos courtesy of Joshua Valcarcel/United States Navy- granted under creative commons

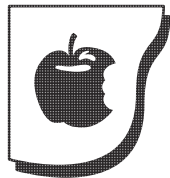
Use the Internet or non-fiction books to research the following ideas:

Lunar eclipse vocabulary - Look up the definition of the following terms:

Penumbra	
Umbra	

Draw in the location of the Moon for each type of eclipse.





Compare and contrast a lunar eclipse to a solar eclipse. Complete the following table:

	Lunar Eclipse	Solar Eclipse
Describe what is happening		
Phase of the Moon		
Safety precautions when viewing		
Estimate the duration of the event		
Estimate the number of people who can view it		