

Starting point:

The solar eclipse:

We watch a part of a video about the eclipse that took place on March 20th .

http://www.dailymotion.com/video/x2k2bit_pic-du-midi-hautes-pyrenees-replay_tv



Write your ideas about what is happening about the video you have just watched.

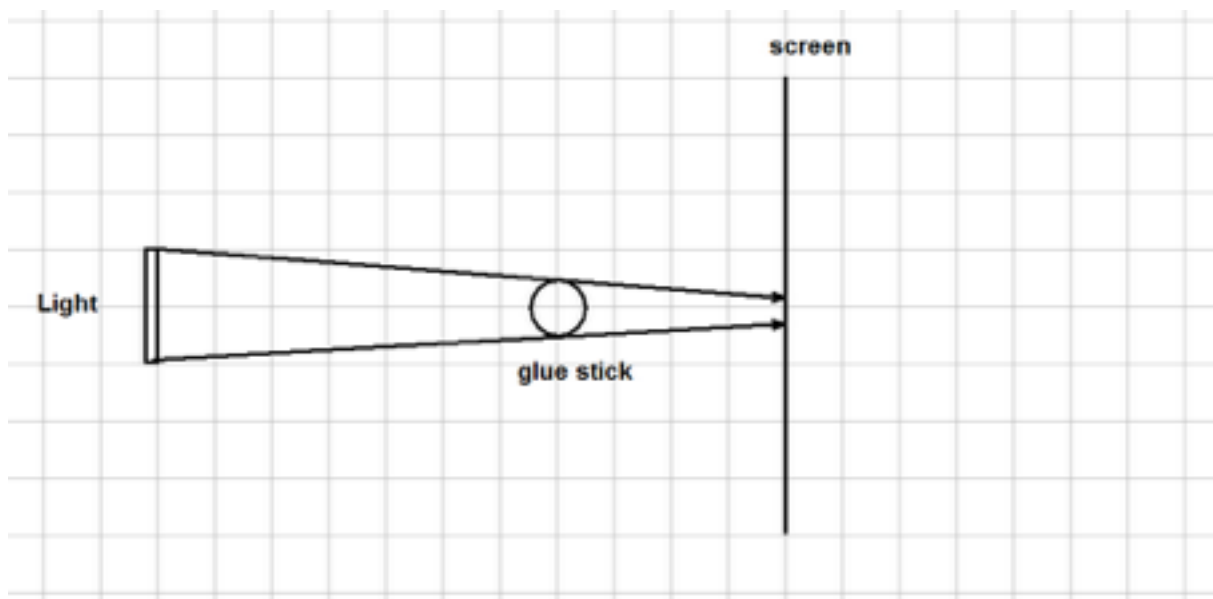
The moon passes between the sun and the earth.

Propose an experiment which can modelize the situation.

Lamp, objects, screen

After pooling the ideas, realize the experiment suggested by the class and draw the situation:

An example:



(But this is quite a perfect one !)

But is there only one shadow?

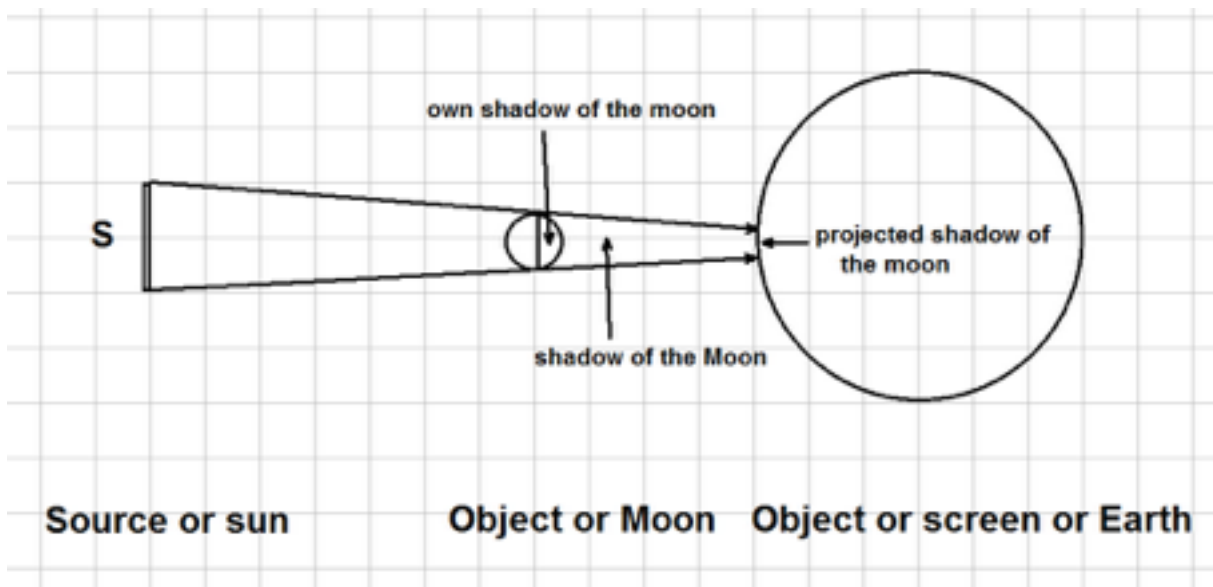
The same method applies: Write your ideas and pool them with the class.

Finally we can define the three types of shadow:

Own shadow of the moon (on the moon)

Projected shadow of the moon (on the earth)

And the shadow of the moon (between the moon and the earth)



What have you learn?

- A solar eclipse is when the moon hides the sun. It could be total or partial like on Friday march 20th
- The tree types of shadow: own shadow, projected shadow and the shadow !
- Draw a scheme to sum up an eclipse.

And now what is an eclipse of moon?

