Science Week 4
LI: To understand why the moon looks a different shape in a lunar month

I can explain how and why the moon changes.
I can order the stages of the moon in a lunar month.
I can demonstrate the phases of the moon.

Key words:
Moon
Waxing
Waning
Light
Night
Eclipse
Sun
Earth
Rotation
Axis

Starter:
https://www.youtube.com/watch?v=Cm7FGBSo9UY
Youtube search:NASA | Moon Phases 2016, Northern Hemisphere - 4K
Play video: January 1- Jan 31

What did you noticed about how much of the moon you could see?

Look at the video clip from the month of January:What happens to the moon?

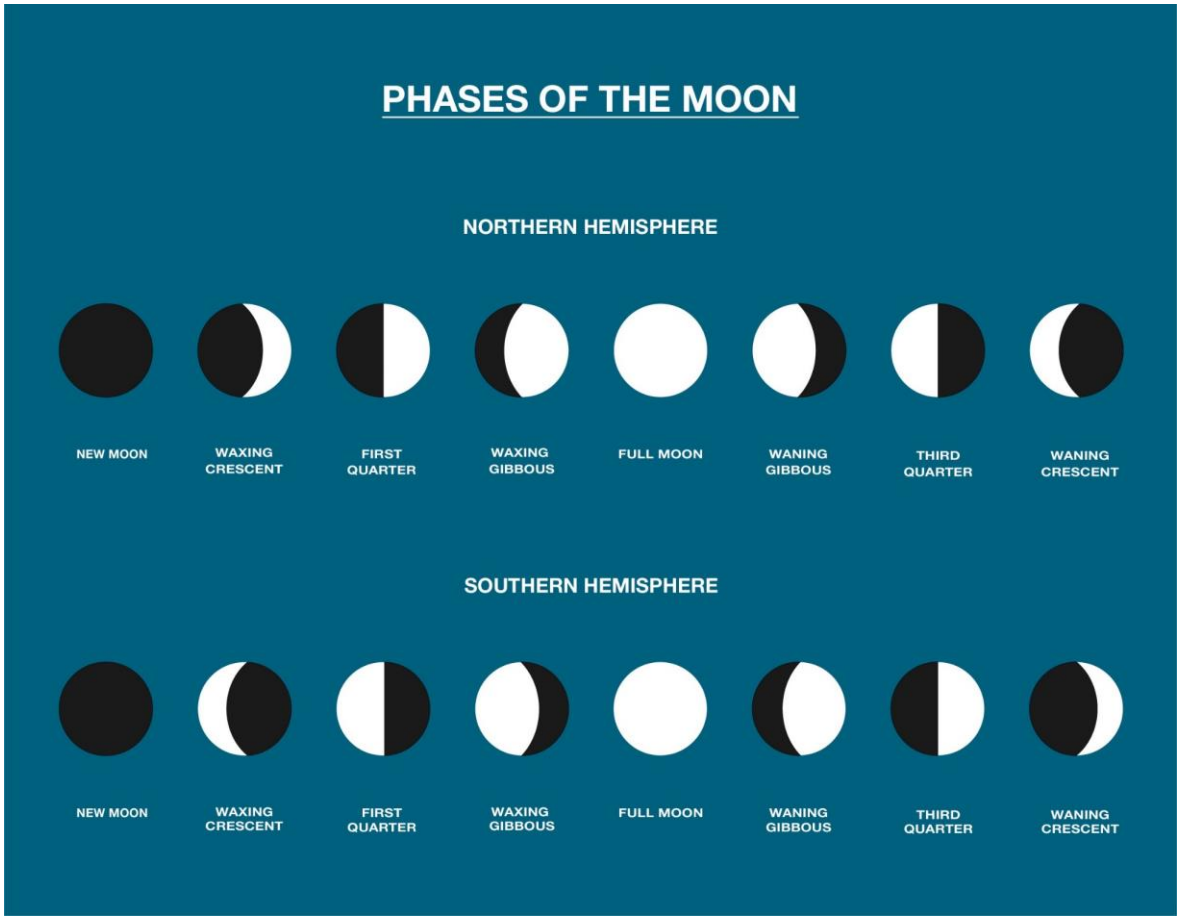
Why do you think this happens?

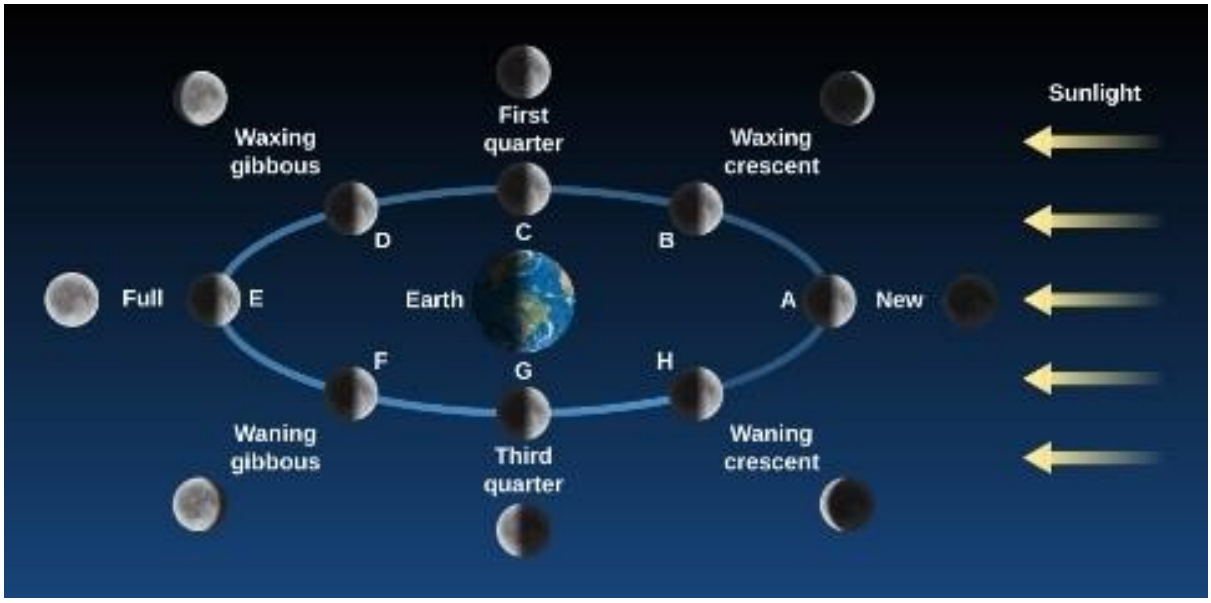
Task:
Today, you will need to create a presentation to explain the changes of the different phases of the moon.
This could be done using a powerpoint, a video description, a drawing or it could be a written explanation.
A great (and delicious) way to do this is by using Oreos!
https://www.youtube.com/watch?v=tgDiE2P7qJ8
You tube search: DIY Oreo Moon Phases

Your work must include:

- An introduction of your work – what have you created? What are you showing in your work? (imagine your work is being shown to someone who does not know anything about the moon!)
- A drawing or diagram of each phase of the moon
- The name of each phase of the moon
- An explanation of each phase – What happens? When does this happen?
- Any interesting facts you have learnt along the way

Useful websites:
https://www.ducksters.com/science/phases_of_the_moon.php
https://www.natgeokids.com/uk/discover/science/space/the-phases-of-the-moon/
https://vimeo.com/64563198
https://www.bbc.co.uk/bitesize/clips/z3jd7ty
Google search: KS2 bbc bites size The moon and its orbit around the earth





Challenge questions:

How can we see the moon?

Why does the moon not look the same in the Northern and Southern Hemisphere?