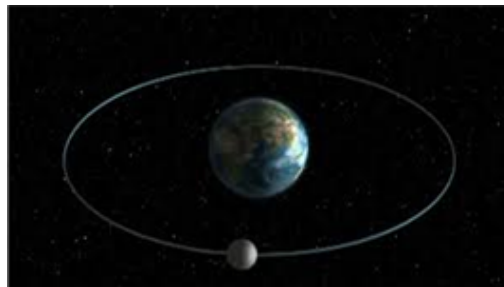


**L.O: To explain the movement of
the moon in relation to Earth**



Recap: What are the two types of movement we have discussed that Earth undertakes?

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Axial rotation (we say 'the Earth rotates on it's axis)

Orbit (we know that the Earth orbits the sun)

The moon also both rotates and orbits. **Today we will be focusing on the orbit of the moon around the Earth.**



Remember, 'orbit' describes the movement where one object travels around another.

Quiz - True or False?

1) All planets have a moon.

Quiz - True or False?

1) All planets have a moon.

False! Venus and Mercury have no moons. Some planets have more than one moon. Can you remember the names of Mars' two moons?

Quiz - True or False?

2) The moon orbits the sun.

Quiz - True or False?

2) The moon orbits the sun.

False. The moon orbits the Earth. Earth, along with the other 7 planets in our solar system, orbits the sun.

Quiz - True or False?

3) A day is 24 hours and a year is 365.25 days on each planet.

Quiz - True or False?

3) A day is 24 hours and a year is 365.25 days on each planet.

False again! When a planet rotates once it's axis, we call this a day. When a planet orbits a full loop around the sun, this is called a year. These are not the same on each planet. On Venus, a day is longer than a year!

Quiz - True or False?

4) The moon does not create it's own light.

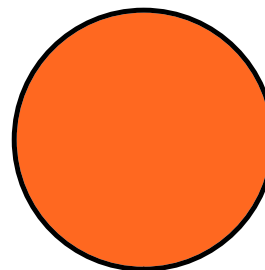
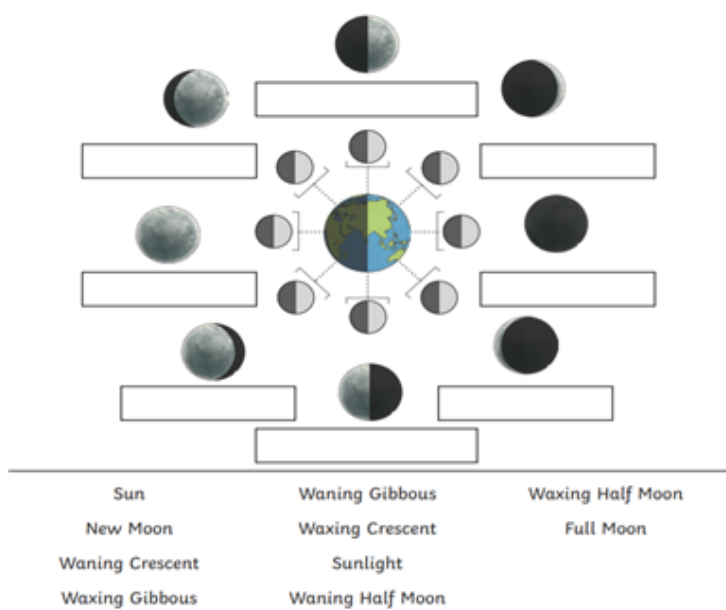
Quiz - True or False?

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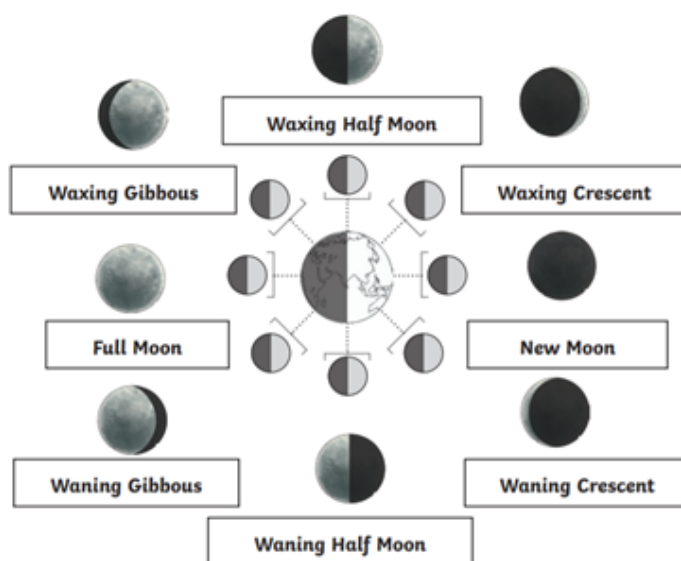
True. We learned from our solar system rap that the moon only reflects light from the sun, it does not create it's own light. This is important to remember for our lesson today!

Watch the video clip (link in weekly overview) explaining the phases of the moon. Watch from 54 seconds in.

Phases of the Moon



Phases of the Moon - **Answers**



Task

Must do: Complete the 2Do on PM. You need to explain the 8 phases of the moon and what they are called.

Should do: Explain why we can see these different phases of the moon from Earth. Rewatch the video if you need a reminder. Remember that the moon reflects the sun's light; this will help you with your explanation!

Could do: Do your own research about the difference between a solar eclipse and a lunar eclipse. Include this information on your 2Do, along with the above tasks.

Key vocabulary

Waxing = growing

Waning = decreasing/shrinking

Lunar = of the moon (so we can call the phases of the moon the 'lunar phases')

Fixed orbit = same path around the object each time

