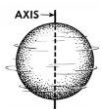
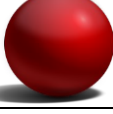
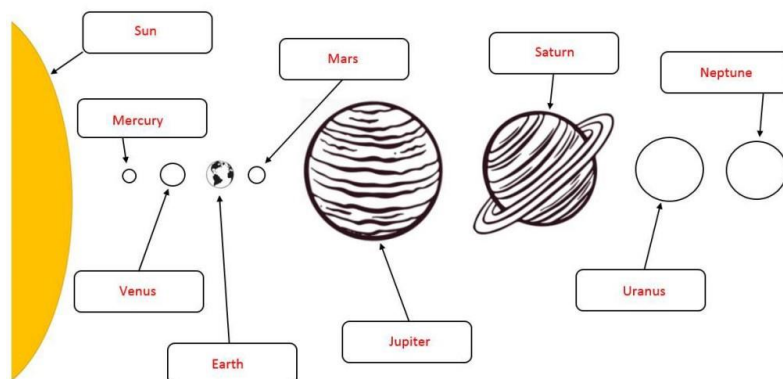




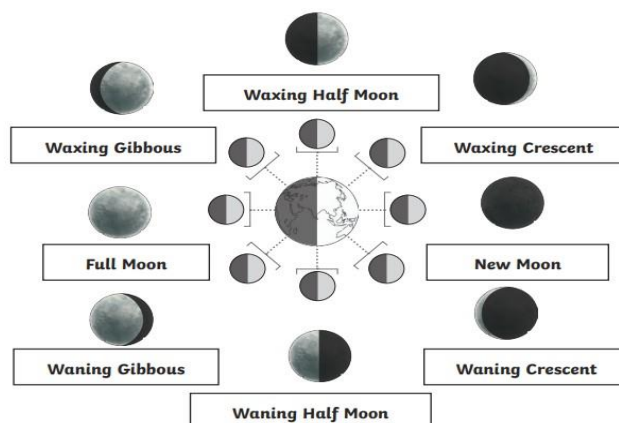
| Vocabulary     |                                                                                     |                                                                                            |
|----------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| axis           |    | a real or imaginary line through the centre of an object around which it turns             |
| celestial body |    | a natural object visible in the sky                                                        |
| eclipse        |    | the blocking from view of the sun, moon or planet by another heavenly body                 |
| lunar          |    | to do with the moon                                                                        |
| orbit          |    | the curved path in which a planet, satellite or spacecraft moves in a circle around a body |
| planet         |    | a large body in outer space that circles around the sun or another star                    |
| rotation       |   | to turn around an axis                                                                     |
| satellite      |  | a heavenly body that moves around a planet or another large body                           |
| solar          |  | to do with the sun                                                                         |
| solar system   |  | our sun, eight planets and their moons                                                     |
| sphere         |  | a round, solid figure                                                                      |
| star           |  | a heavenly body visible from earth as points of light in the sky                           |
| universe       |  | all matter and energy; all existing things                                                 |

## The Solar System

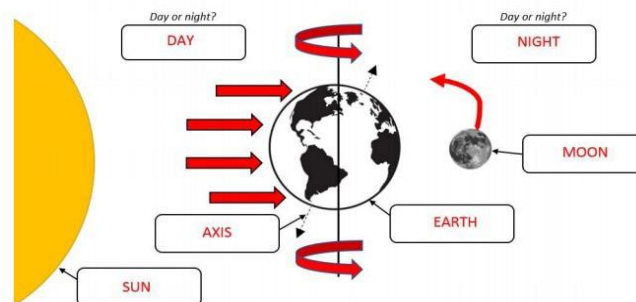


- The **sun** is a huge ball of **burning gas** that produces heat and light. It is a **star**
- The sun is the centre of our **Solar System**
- The planets in our Solar system **all orbit the sun**
- The planets closest to the sun have a short orbit while the planets furthest from the sun have a much longer orbit

## The Lunar Cycle



- The **moon orbits** Earth in a oval shaped path while spinning on its **axis**
- At various times in a month, the moon appears to be different shapes because the sun lights up different parts of it.



## Day or Night?

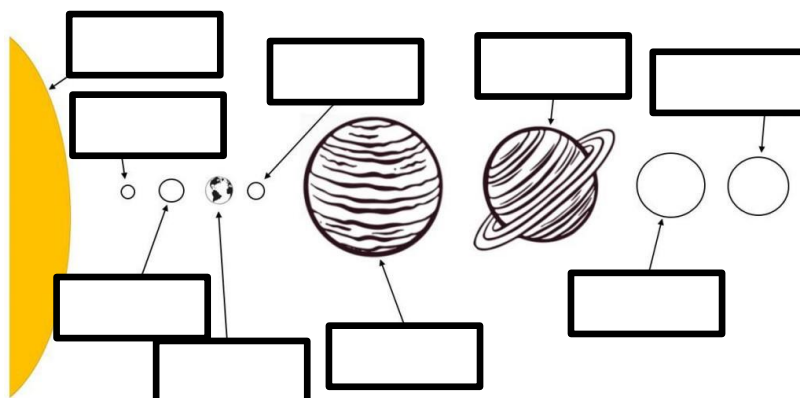
A rotation of the Earth means that it moves on its own **axis**. It takes **24** hours for it to make one complete **rotation** which equals one entire **day**. The Earth takes approximately **365** days to complete one **revolution** around the sun in an elliptical **orbit**. 365 days is equivalent to **1** year. The moon is a **celestial** body which orbits the Earth. It takes the moon **28** days to complete one revolution around the Earth.



### Vocabulary

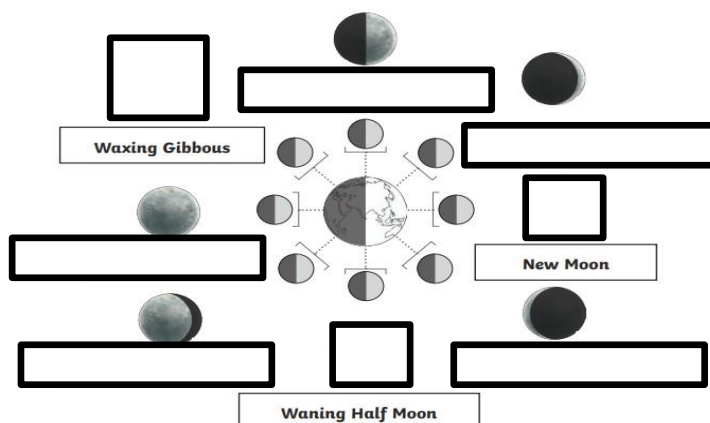
|           |  |                                                                                            |
|-----------|--|--------------------------------------------------------------------------------------------|
| axis      |  |                                                                                            |
|           |  | a natural object visible in the sky                                                        |
|           |  | the blocking from view of the sun, moon or planet by another heavenly body                 |
| lunar     |  |                                                                                            |
|           |  | the curved path in which a planet, satellite or spacecraft moves in a circle around a body |
| planet    |  |                                                                                            |
|           |  | to turn around an axis                                                                     |
| satellite |  |                                                                                            |
| solar     |  |                                                                                            |
|           |  | our sun, eight planets and their moons                                                     |
|           |  | a round, solid figure                                                                      |
| star      |  |                                                                                            |
| universe  |  |                                                                                            |

## The Solar System

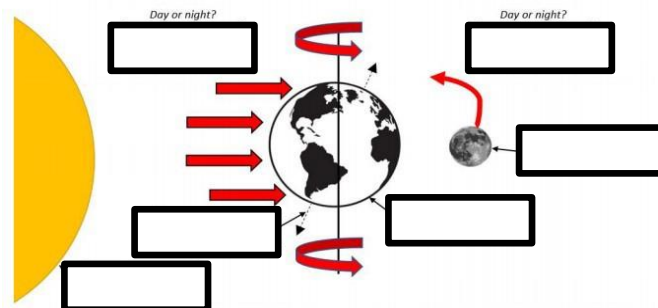


- The \_\_\_\_\_ is a huge ball of **burning gas** that produces heat and light. It is a \_\_\_\_\_.
- The sun is the centre of our \_\_\_\_\_.
- The planets in our Solar system \_\_\_\_\_
- The planets closest to the sun have a \_\_\_\_\_ orbit while the planets furthest from the sun have a much \_\_\_\_\_ orbit

## The Lunar Cycle



- The **moon orbits** \_\_\_\_\_ in a oval shaped path while spinning on its \_\_\_\_\_.
- At various times in a month, the moon appears to be different \_\_\_\_\_ because the \_\_\_\_\_ lights up different parts of it.



## Day or Night?

A rotation of the Earth means that it moves on its own \_\_\_\_\_. It takes \_\_\_\_\_ hours for it to make one complete \_\_\_\_\_ which equals one entire \_\_\_\_\_. The Earth takes approximately \_\_\_\_\_ days to complete one \_\_\_\_\_ around the sun in an elliptical \_\_\_\_\_. 365 days is equivalent to \_\_\_\_\_ year. The moon is a \_\_\_\_\_ body which orbits the Earth. It takes the moon \_\_\_\_\_ days to complete one revolution around the Earth.