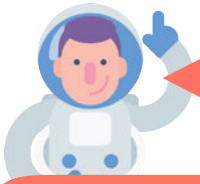
Earth and Space

Worksheet 2A

Name: _____ **Date:** _____

Earth	The star at the centre of our solar system.
Sun	The third planet from the Sun.
Moon	The roughly circular path a celestial object or satellite takes around a larger celestial object.
Orbit	Roughly the time it takes for Earth to make one orbit of the Sun.
Year	Roughly the time it takes for the Moon to orbit Earth.
Month	A smaller celestial object which orbits a planet.
Roughly spherical	Shaped roughly like a ball



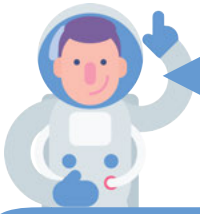
Match the words to their definition and then draw a labelled diagram of the Sun, Earth and Moon.

Earth and Space

Worksheet 2B

Name: _____ **Date:** _____

The star at the centre of our solar system.	S
The third planet from the Sun.	E
The roughly circular path a celestial object or satellite takes around a larger celestial object.	O
Roughly the time it takes for Earth to make one orbit of the Sun.	Y
Roughly the time it takes for the Moon to orbit Earth.	M
A smaller celestial object which orbits a planet.	M
Shaped roughly like a ball	S



Write the scientific words for each of these descriptions in the correct box. Use the space below to draw a labelled picture of the Sun, Earth and Moon and how they relate to one another.

Earth and Space

Worksheet 2C

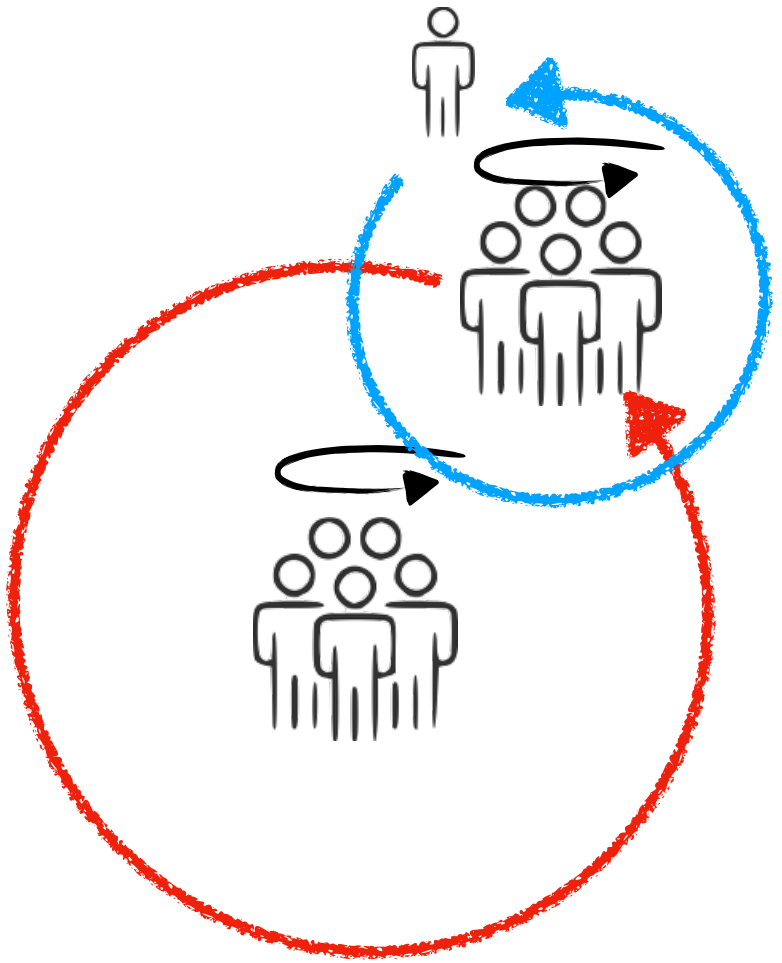
Name: _____ Date: _____

Earth	
Sun	
Moon	
Orbit	
Year	
Month	
Roughly spherical	

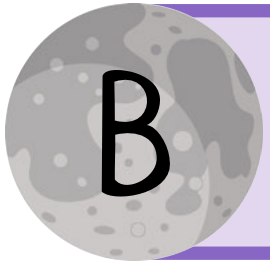
Write the definition for each of the scientific words. Then draw a labelled diagram of the Sun, Earth and Moon and how they relate to one another.

Name: _____ Date: _____

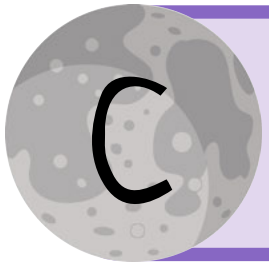
- Have two thirds of the class stand in the centre of the space you've chosen. Let the class know that they are representing the Sun. They should slowly rotate as a group in an anticlockwise direction.
- Have the rest of the class (except one child) represent Earth.
  - Can the children remember what Earth orbits?
  - Which direction does Earth orbit the Sun?
- Set 'Earth' off, orbiting the Sun in an anticlockwise direction.
  - How long will it take Earth to complete one orbit in real life?
    - Agree that it takes 1 year, or 365.25 days
- Pause the model and say that the final child will represent the Moon.
  - Where will the Moon fit into our model?
- Set the 'Moon' off, orbiting Earth in an anticlockwise direction.
  - How long will it take the Moon to complete one orbit of Earth?
    - Agree that it will take a month, or more specifically a lunar month: 28 days.



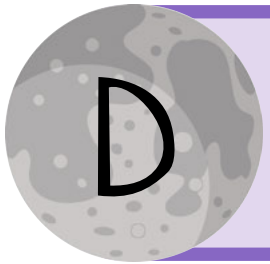
This celestial body orbits another celestial body.



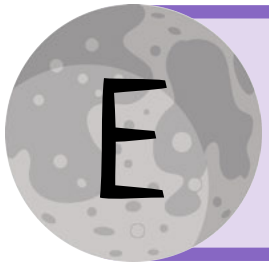
This celestial body produces light.



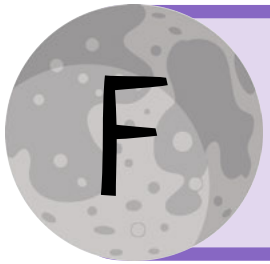
This celestial body takes one month to complete its orbit.



This celestial body takes one year to complete its orbit.

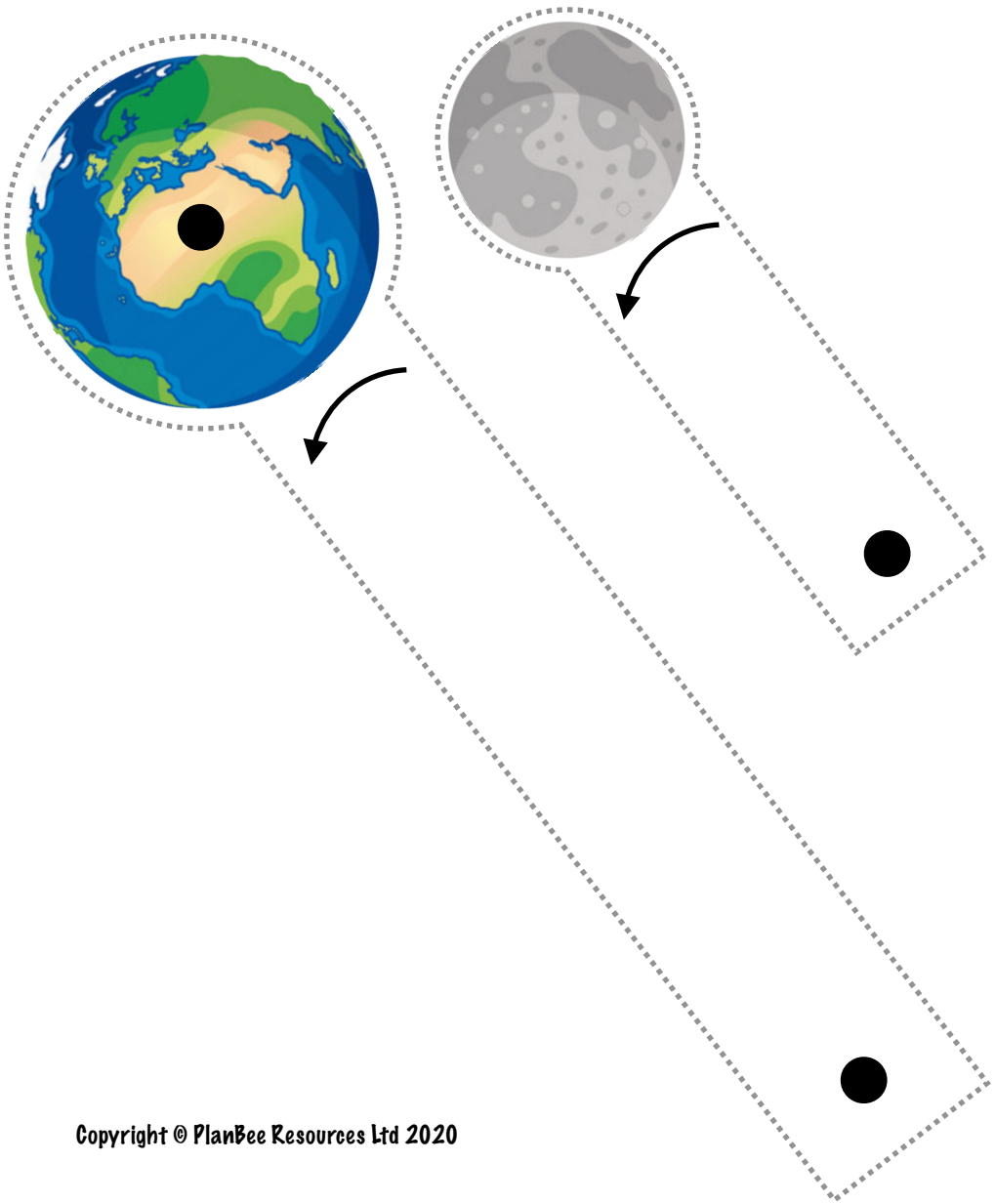


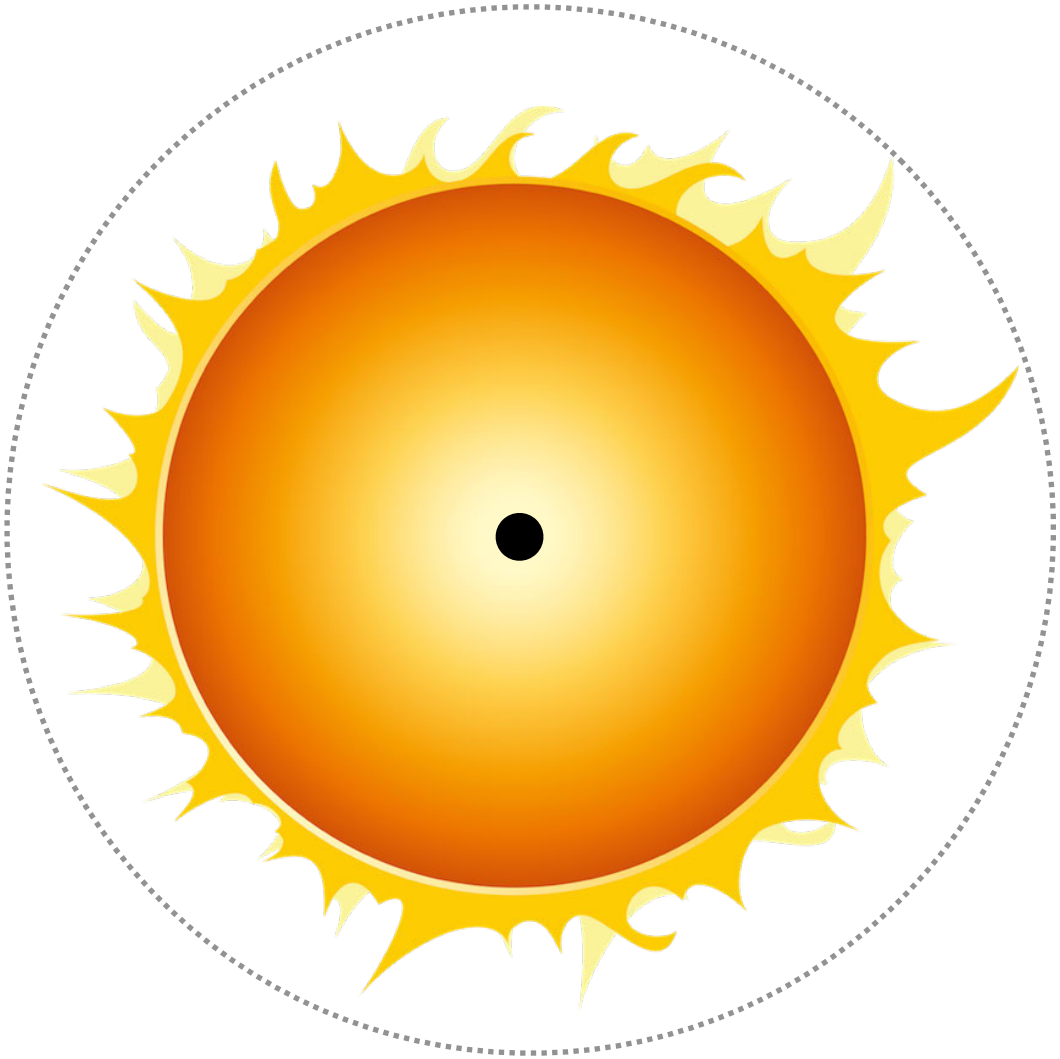
This celestial body has other objects orbiting it.



This celestial body is roughly spherical.

This celestial body has no life on it.

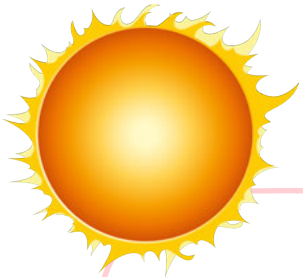


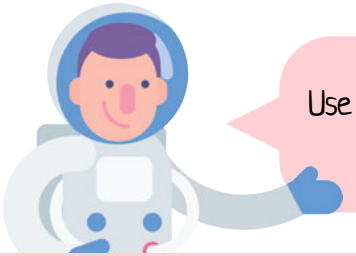


Earth and Space

Worksheet 2D

Name: _____ Date: _____





Use your model to help you explain the relationship between the Sun, Earth and Moon and how they move around each other.

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

Sun	Earth
Moon	rotate
orbit	centre
star	planet
year	month

solar system

anticlockwise

celestial body

roughly spherical