

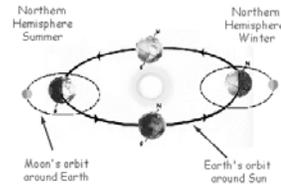
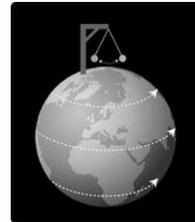
TA18A -Teach About Earth and Its Moon

Use with BrishLab ES18A
Done By: Coach

1- What is the difference between rotate and revolve?

Page 1

Para 2



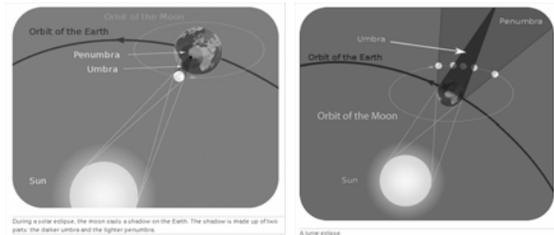
Earth rotates once a day,
and revolves around the sun once a year.

[Image Link](#)

2- How does the position of Earth, the Moon and Sun make for different eclipses?

Page 1

Para 4



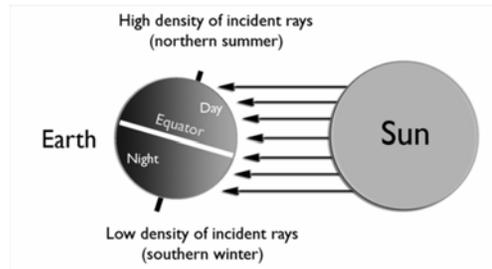
An eclipse is named after the object that becomes hidden - solar or lunar.

[Image Link](#)

3- What season is it when there are more direct rays from the sun and why?

Page 1

Para 5



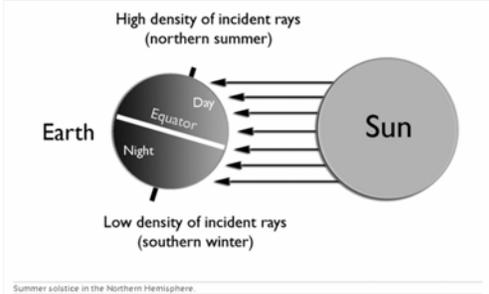
When sun rays are more direct, it is summer because the Earth is heated more directly.

[Image Link](#)

4- What is a solstice and how many times a year does it happen?

Page 1

Para 6



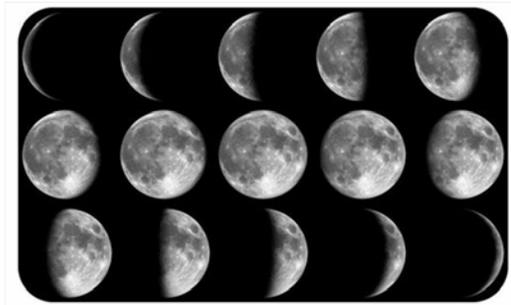
During the solstice, the sun's rays strike the surface most directly at either north or south latitudes.

[Image Link](#)

5- Why do we see the moon in different phases?

Page 2

Para 9



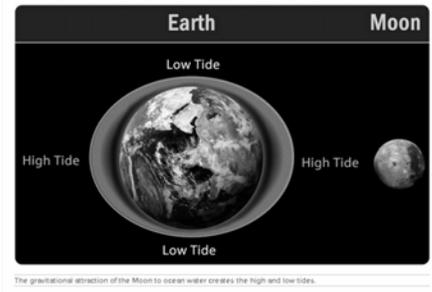
We see only the lighted portion of the moon as it revolves the Earth.

[Image Link](#)

6- What causes tides?

Page 2

Para 10



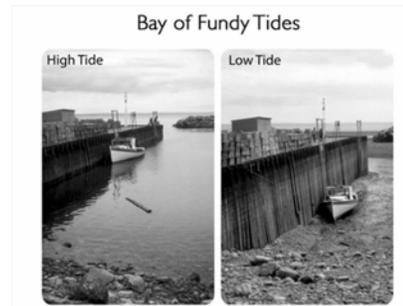
The Sun's and Moon's gravity pulling the oceans cause tides on Earth.

Image Link

7- How many high tides and how many low tides are there in a single day?

Page 2

Para 11



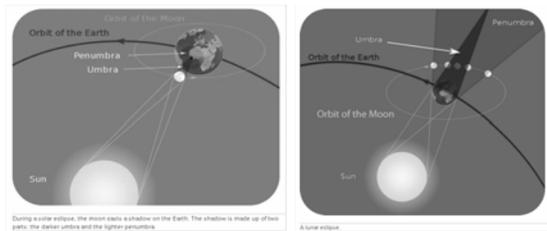
There are two high tides and two low tides a day - each about 6 hours apart.

Image Link

8- What is the difference between a solar and lunar eclipse?

Page 2

Para 12



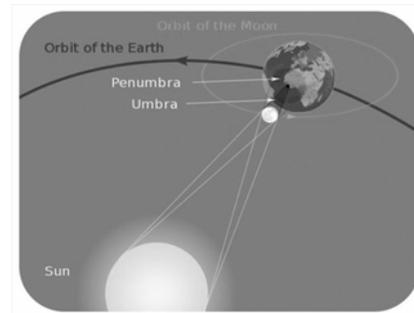
The order of the planet, sun and moon determine the kind of eclipse.

Image Link

9- How is the penumbra different than the umbra in an eclipse?

Page 2

Para 13



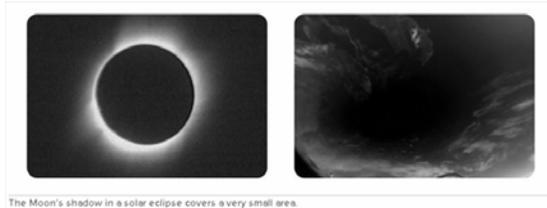
The umbra is the darkest shadow and the penumbra is a partial shadow.

Image Link

10- Why do we see eclipses for only a short period of time?

Page 2

Para 15



The Sun, Earth and Moon are all moving fast so eclipses do not last long.

Image Link

Wrap it up:

Draw, color and label a lunar eclipse and a solar eclipse.

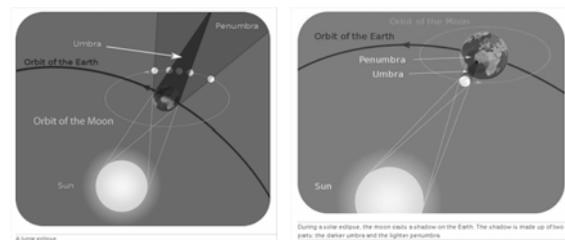


Image Link