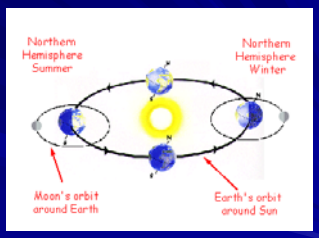
TA18A –Teach About

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?

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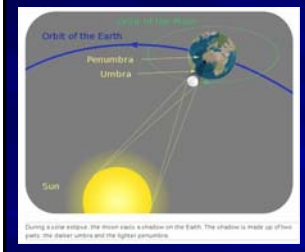
Para 4



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?

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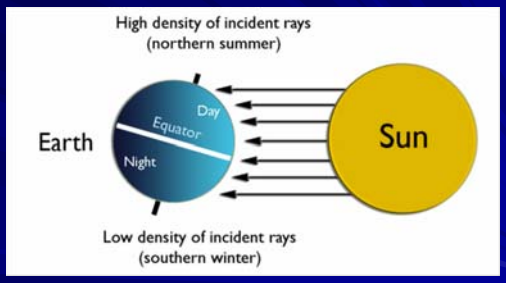
Para 5

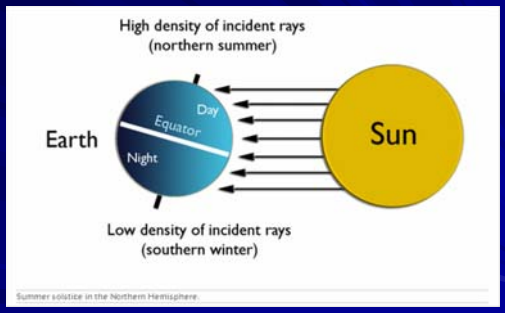


When sun rays are more direct, it is summer because the Earth is heated more directly.

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.

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

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Para 9

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

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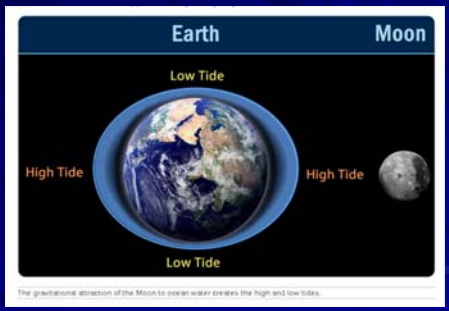
6- What causes tides?

Page 2

Para 10



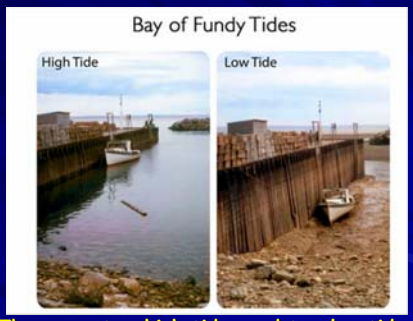
The Sun's and Moon's gravity pulling the oceans cause tides on Earth.

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.

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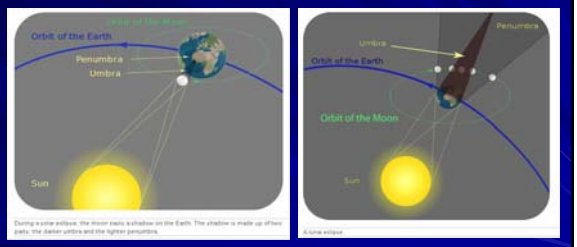
8- What is the difference between a solar and lunar eclipse?

Page 2

Para 12



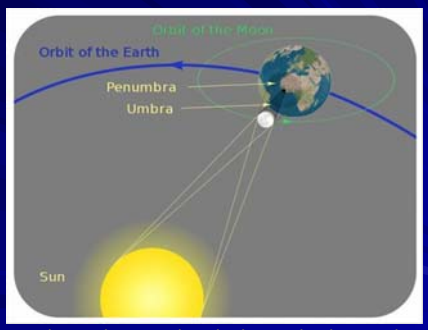
The order of the planet, sun and moon determine the kind of eclipse.

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

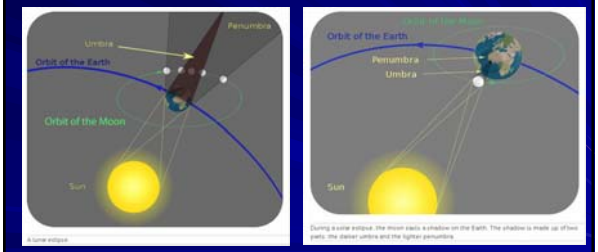
The Moon's shadow in a solar eclipse covers a very small area.

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.



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