

Reading Guide

Tides, Eclipses, Day and Night and Seasons

This worksheet refers to the website called 'Queensland Junior Science'. Read the notes entitled 'Tides, Eclipses, Day and Night and Seasons' before answering these questions.

Tides

1. Read the notes on "Tides". What type of 'pull' pulls the earth's oceans?
2. Why does the Moon have a greater effect on tides than the Sun?
3. Think about the words 'spring' and 'king' that are used to describe one type of tide. What height would that tide be?
4. Read the description of where the Sun, the Moon and the Earth are during a spring tide and a neap tide. Draw these.

Eclipses

5. Read the first about what an eclipse is. What large object is close enough to throw a shadow across the surface of the earth?
6. The name for the shadow is the umbra. What everyday object has a name similar to this?
7. What do the words 'solar' and 'lunar' mean?

Day and Night

8. Read the notes about 'Day and Night'. Find a ball and a bright light. Explain to a friend what day and night are.
9. Read the second last sentence. What does the tilt of the earth cause? Try drawing this.
10. If the autumn and spring solstices are when the time of 'daylight' is the same as 'darkness or night'. How many hours would 'day' and 'night' be?

Seasons

11. What are the seasons starting with summer?
12. What does not cause the seasons? What does cause the seasons?