

Seasons

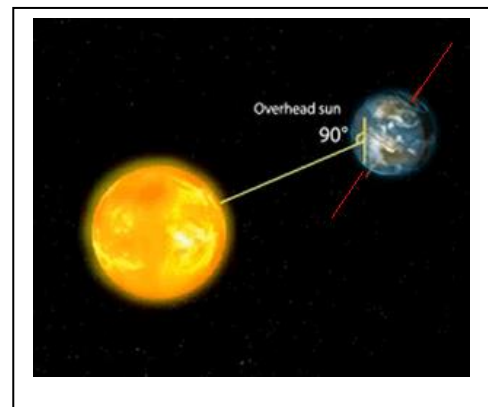
This worksheet refers to the information found in the following webpage.

<http://www.dynamicscience.com.au/tester/solutions1/space%20science/seasons.html>

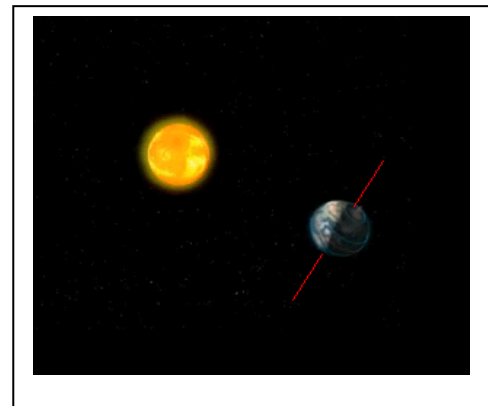
1. At what times of the year are the days and nights the same length all over the Earth? Explain why
2. What is responsible for the seasons?
3. When the North pole is starting to tilt away from the Sun
4. When the Antarctic region is experiencing a 24 hour day, Australia is experiencing
5. What is the main reason why Summer months are warmer than winter months?
6. What effect does the Earth's tilt have?
7. During the Spring and Autumn equinoxes the Earth
8. What is the difference between a **solstice** and an **equinox**?
9. Summer in the Southern hemisphere is the season when the

10. When the Arctic circle experiences total darkness what is the period of darkness in the Antarctic circle?
11. How are food chains around the world impacted by Earth's tilt as it orbits the sun?

12. Consider the image on the right. What are the possible seasons on Earth?



13. The Sun is at a 90 degree angle with the Tropic of Capricorn. What is the season in the Southern and Northern hemispheres?



14. Life on Earth has evolved to take into account seasonal changes. Suggest how plant-life would have evolved on Earth if there was no axial tilt and how food crop distribution would be different in different parts of the World.