

Guiding Questions – Seasons, Solstices and Equinoxes

1. Define astronomy: (p.297)
2. Define rotation: (p.297)
3. Define revolution: (p.297)
4. Define orbit: (p.297)
5. Define calendar: (pp.298-99)
6. How does the development of the calendar relate to the revolution and rotation of Earth? (pp.298-99)
7. Define seasons: (pp.300, 302)
8. Describe why seasons occur on Earth. (p.300)
9. When do the four seasons occur in the northern and southern hemispheres? (p.302)
10. Define equinox: (p.303)
11. When do the two equinoxes occur? (p.303)
12. What is the length of day and night during the equinox? (p.303)
13. Define solstice: (pp.302-03)
14. When do the two solstices occur? (pp.302-03)
15. What is the length of day and night during the solstice (as compared to the rest of the year)? (pp.302-03)
16. Make a diagram of the Earth's orbit around the Sun, showing the position of the Earth (and the date) for each of the two equinoxes and solstices. Show the tilt of the Earth (towards the Sun, away from the Sun or 90° away from the Sun) (p.301)

17. Draw a diagram showing the line of day or night and the Earth's axis, for each of the two equinoxes and two solstices. (p.301)