

Lessons 2–3: Worksheet 1

Factors affecting weather and climate

1. Study Figure 1. In your own words explain why it is colder near the North and South poles than at the Equator.

2. Study Figure 2. In June, Australia is tilted away from the sun. In December, Australia is tilted towards the sun. How does this affect the seasons we have at these times of the year?

3. How does distance from the sea affect the weather and climate of a place?

4. Thinking about aspect, on which slope would you build a house to get the most sunlight in the Southern Hemisphere? A North facing, South facing, East facing, or West facing slope? Explain your answer.

5. What happened to temperatures as you go from a low altitude to a high altitude?

6. What happens with temperature and rainfall as you move inland from the sea?

7. What affect does the temperature of ocean currents have on temperatures and rainfall of places?

8. Using Figure 3 explain the impact mountain ranges have on rainfall patterns.
