

Topic 5 Lesson 5

Please answer each question completely.

1. What is the difference between weather and climate?
2. Suppose climate change leads to a rapid warming of the climate in a particular area with mountains. **Predict two effects** on a species adapted to the climate at a middle elevation in the mountains.
3. Use figure 3 on page 233 to answer the following question: The south equatorial current follows the flow of winds above it and normally carries moisture to cause rain in Australia. But during El Nino events, the eastern Pacific becomes warmer, and the winds driving the south equatorial current slow or reverse direction. **Evaluate and explain the effects of EL Nino on rainfall patterns.**
4. How do climate factors affect temperature patterns where you live?
5. **Skip**
6. What could happen to climate in Europe if the Gulf Stream weakened due to climate change?