## Cli

imate and Terrestrial Biodiversity Reading Guide		
1.	What is the distinction between weather and climate?	
2.	What are the two main factors that contribute to climate?	
3.	What is latitude?	
4.	What is elevation?	
5.	What factors affect the global air circulation on Earth?	
6.	How does air move as it circulates the globe?	

7.	What are Earth's major wind patterns and what creates these patterns?
8.	What factors affect the density of ocean water?
9.	What role do the oceans play in distributing heat and nutrients?
10.	What is the Coriolis effect?
11.	How does topography affect climate?
12.	How do different climates lead to different communities of organisms?

13.	What is the rain shadow effect?
14.	What are the greenhouse gases? How do they affect climate?
15.	What is a biome?
16.	What factors determine the type of biome in an area?
17.	What is a desert? What types of deserts are they and how are they characterized?
18.	What adaptations do desert plants and animals have to survive their environment?

19.	What are the types of grasslands and what are their characteristics?
20.	What are the types of forests and what are their characteristics?
21.	How are the mountain biomes characterized?
22.	What impacts do humans have on each of the main biome types?
23.	What are net primary productivity and gross primary productivity? What factors affect these?