AP Biology CH 52 Guided Reading: An Introduction to Ecology and the Biosphere Study Guide 10ed **You DO NOT need to know the information on pages 1167-1170, 1173-1176**		
1.	What is ecology?	
2.	Study figure 52.2 in your text. It shows the different levels of the biological hierarchy studied by ecologists. Notice also the different types of questions that might be studied by an ecologist at each level of study. Use this figure to develop a flowchart of the hierarchy from most to least inclusive.	
3.	What is climate? What four factors are its components?	
4.	What is the difference between macroclimate and microclimate?	
5.	Explain how Earth's curvature and axis of rotation influence the amount of sunlight reaching a given area-for our purposes Miami and Chicago- and how these factors influence the temperature, precipitation, and levels of photosynthesis in that area.	
6.	Every environment on Earth is characterized by, or nonliving, factors and, or living, factors.	
7.	Use the example of the beech tree to explain how global climate change can alter the current range of a species.	

 Give an example of and explain how one species can affect the distribution of another species. 			
10. List five abiotic factors. Include an example and description of each factor's influence on living organisms.			
Abiotic Factor	Example and Description		

8. What role does dispersal play in the study of the distribution of species?