

POLAR REGIONS: Reading Questions

CHAPTER 4: The Glacier System

- 1) What is the difference between Glacier Ice and Superimposed Ice? How do both types form?
- 2) Where are you most likely to find a glacier? What are favorable climatic conditions for a glacier to form?
- 3) What is an outlet glacier? What is the main function of an outlet glacier? What type of topography is important to the formation of an outlet glacier?
- 4) What are the four types of landscape that define modification by a glacial event? What do each say about the ice environment?

CHAPTER 5: The Periglacial System

- 1) How do ice wedge polygons form? What are some examples of what can be inferred by polygon patterns about the environment?
- 2) What are the 3 arctic vegetation regions and the species that exist in each of them. What are the geographical ranges of each region?
- 3) What affects do ground and sea ice have on the environment?
- 4) What is the downfall of low biodiversity in the Arctic? Provide an example of a relationship between two species where this occurred.