

OCN201: Science of the Sea
Fall 2008
Ecology Lecture Handout

- (1) The Arctic represents an _____, a group of interdependent biological communities in a single geographic area.
- (2) Describe the biogeography of beluga whales in the Arctic in the winter:
- (3) List 3 abiotic interactions that polar bears have with their environment _____,
_____, _____.
- (4) An organism's range of environmental space is called a niche. Give three "dimensions" of this space for Arctic seals _____, _____, _____.
- (5) From the video, give an example for each of the following:
 - a. Predation:
 - b. Commensalism:
 - c. Territoriality:
- (6) Most individual interactions are based on these two major requirements: _____ and _____.
- (7) Polar bears are a _____, because their presence affects the behavior of almost all animals in the arctic.
- (8) The dynamics of the Arctic, like most other regions, is largely driven by the seasonal differences in this biological process: _____.