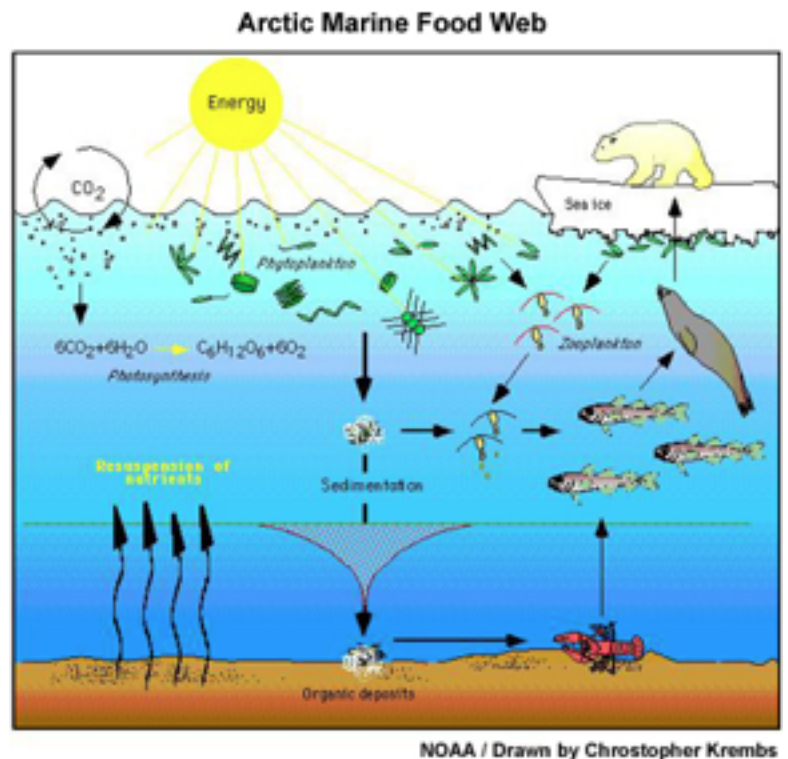


# ECOLOGY I - Study Guide

## Learning Target I

1. What do ecologists study (what is **ecology** the study of)?
2. List the **four abiotic factors** that influence the environment and ecosystems.
3. The **two most influential** abiotic factors on an ecosystem are?
4. Looking at this amazing drawing of an arctic marine ecosystem. LOOK AT IT! Okay calm down...
  - A) Now circle and label the four abiotic factors in this drawing.
  - B) You should be able to pick out two of the abiotic factors that influence this ecosystem and explain, using complete sentences, how these factors interact to produce the environment depicted in the drawing.



## Learning Target 2

5. Primary Producers serve what key function in an ecosystem?
6. A) What is the most common process by which primary producers make their food (or “go-juice”)?  
B) What is the food (or “go juice”) that primary producers make?
7. A) Can you circle or draw arrows towards and label the primary producers in this drawing?  
B) What would happen to the deer, the hawk, the fish... if you removed all the producers?  
C) Be able to explain, in detail, how two of the abiotic factors in this drawing interact to create a stable environment.



Illustration by Jeff Grader / property of Delta Education