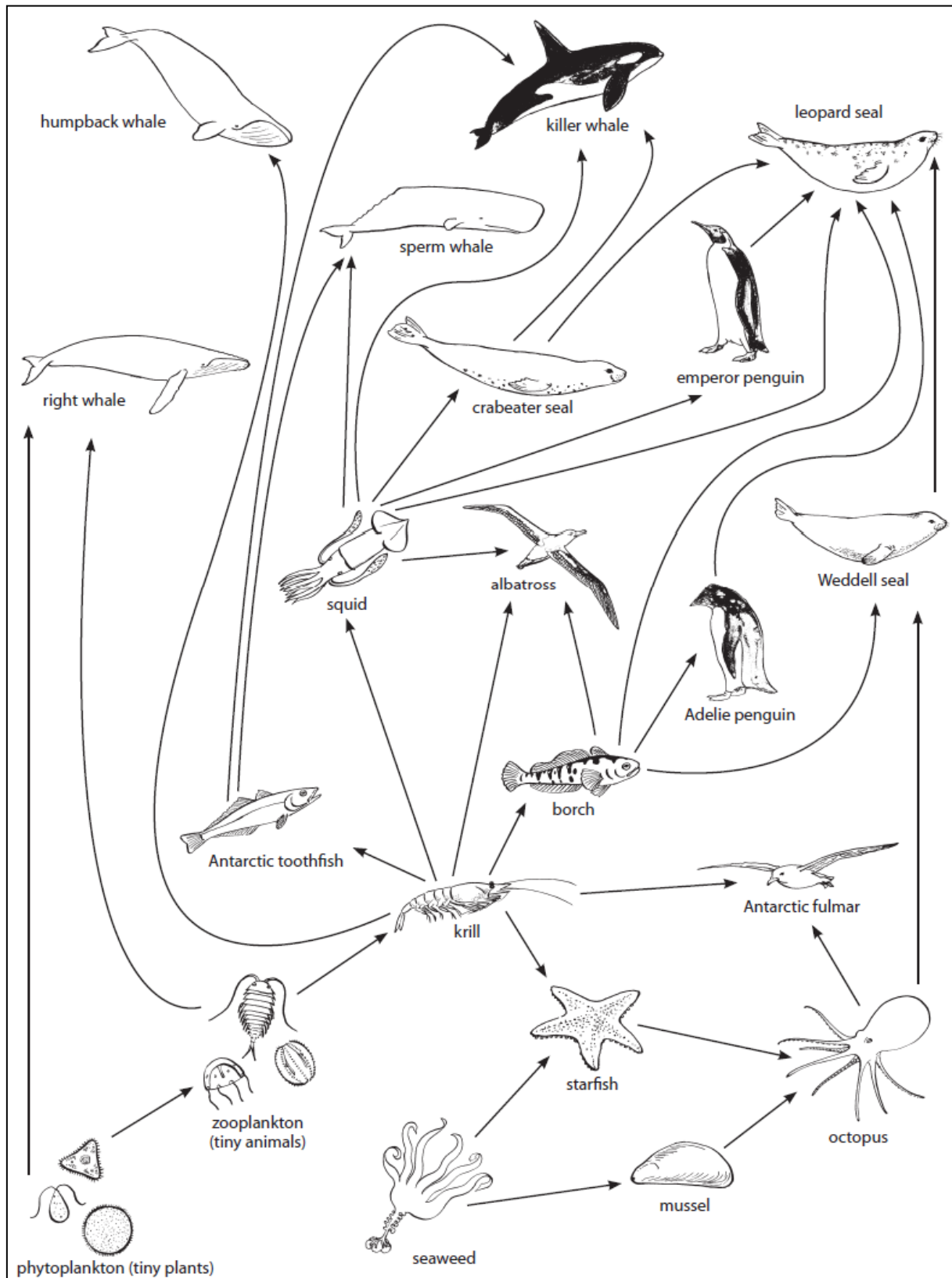


Task 2: Food Webs

Food webs are more realistic food chains. In nature, it is very rare to find an organism that has only one food source, or is the food source for only one animal. Food webs are lots of food chains all put together.

Food Webs



Questions

Answer all of the following questions in your books. You will be using the food web on the other side of this sheet to answer the questions. Remember to write in full sentences.

1. What are **all** of the producers in the food web?
2. Name two organisms that an octopus will consume.
3. Name a herbivore from the food web.
4. What are **three** of the top predators in the food web?
5. Write down the longest food chain.
6. Write down the shortest, complete food chain.
7. Do you think the number of krill in the habitat affects the number of seaweed?
Explain your answer.
8. Do you think the number of zooplankton in the habitat has an effect on the number of killer whales in the habitat? Explain your answer.

When one animal is removed, or their population is changed, it has a major effect on the other organisms in the food web. If two organism are both eating the same food source, like the starfish and mussel both eating the seaweed, and one of them is removed, say the mussel, then the population of the other organism, the starfish, will increase because it has now got more food.

Answer the following questions in your books.

9. What will happen to the population of killer whales if all of the leopard seals are removed?
10. What will happen to the population of phytoplankton if the population of right whales increases (goes up)?
11. What will happen to the population of borch if the population of Antarctic toothfish increases?
12. What will happen to the number of octopus if the number borch increases?