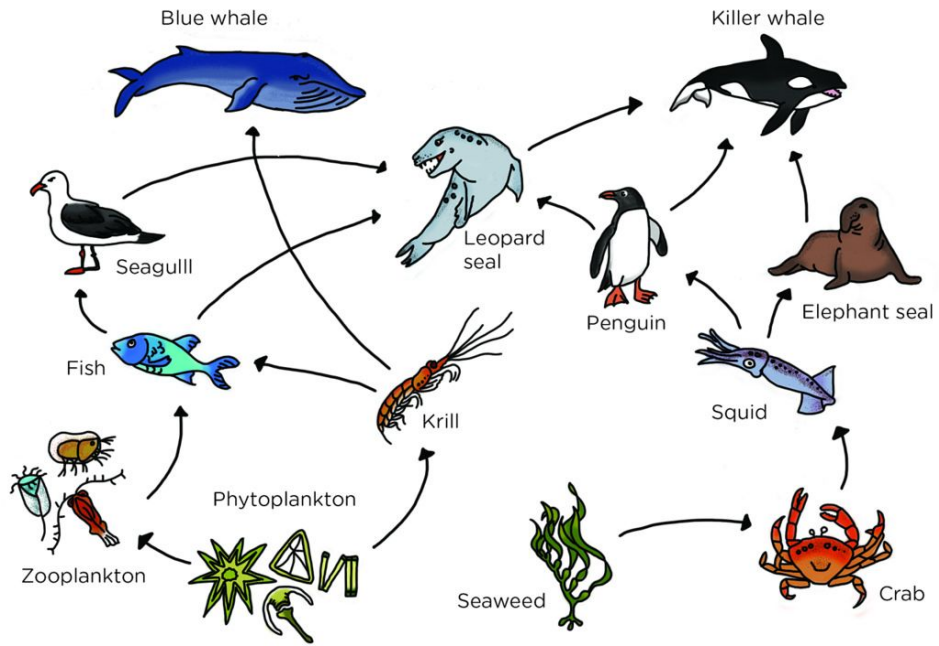


Name \_\_\_\_\_ Due date \_\_\_\_\_

# Food Webs Classwork

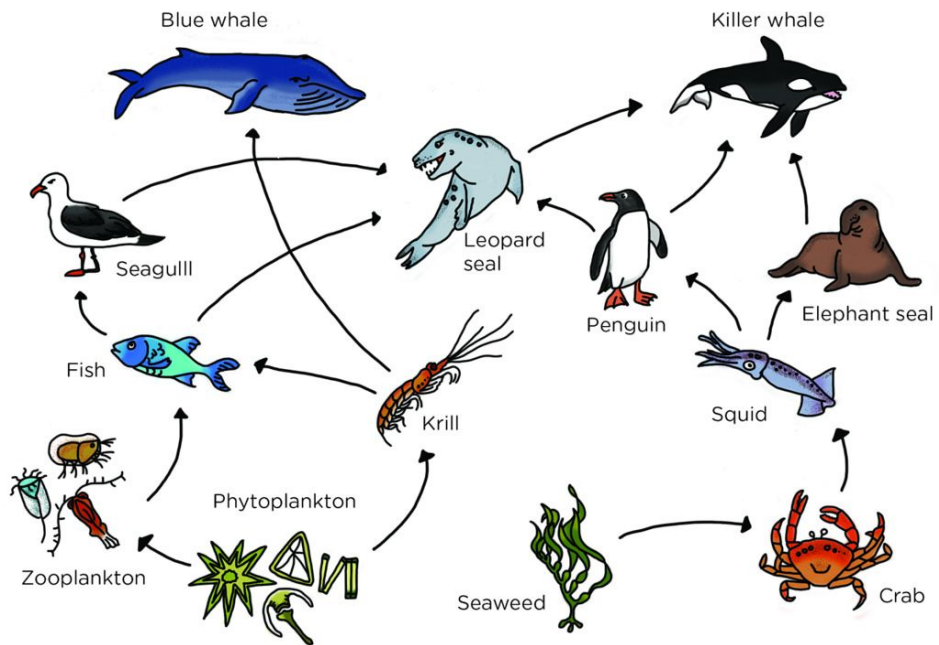
Use the food web below to answer the questions on the back!



Name \_\_\_\_\_ Due date \_\_\_\_\_

# Food Webs Classwork

Use the food web below to answer the questions on the back!



1. Indicate whether the following organisms are *producers*, *primary consumers*, *secondary consumers*, *tertiary consumers*, or *decomposers*:

|              |                     |                      |
|--------------|---------------------|----------------------|
| <u>Crab</u>  | <u>Leopard seal</u> | <u>Phytoplankton</u> |
| <u>Squid</u> | <u>Blue whale</u>   | <u>Penguin</u>       |

2. "Energy pyramid" - Imagine that the seaweed contained 3,000,000 J of energy. How much energy (J) would reach the trophic level of the killer whale (AKA orca whale)?

(Hint: how much energy (J) is lost as you move up each trophic level?)

3. If sea temperatures in this ecosystem were to increase by a few degrees, some organisms might no longer be able to survive here. Imagine this occurs and zooplankton disappeared from this ecosystem. How would the food web be affected? What organisms would be impacted and how?

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