



Name

Class

## Student Worksheet

### Thought-starter: What do food webs have to do with sustainability?

#### Preparation - Flipped classroom

In preparation for the lesson on food chains and food webs, you need to watch the following two clips (in order) and answer the related questions (below):

Clip 1 - [Fabulous Food Chains](#)

Clip 2 - [Home Sweet Habitat](#)

Questions:

1. In your own words, describe a food chain.

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2. In your own words, describe a food web.

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3. What is the original source of all the energy in a food chain/web and why?

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4. What is at the bottom of an Arctic food web and how would you describe them?

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5. Why do you think we need food web models?

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6. Where does our understanding of ecosystems fit with our understanding of food chains?

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7. What vocabulary presented in these clips was new to you?

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8. What information presented in these clips are you unclear about? What would you like to know more about?

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9. Bonus question: How might studying food webs help us to understand some of the ways we can look after ecosystems?

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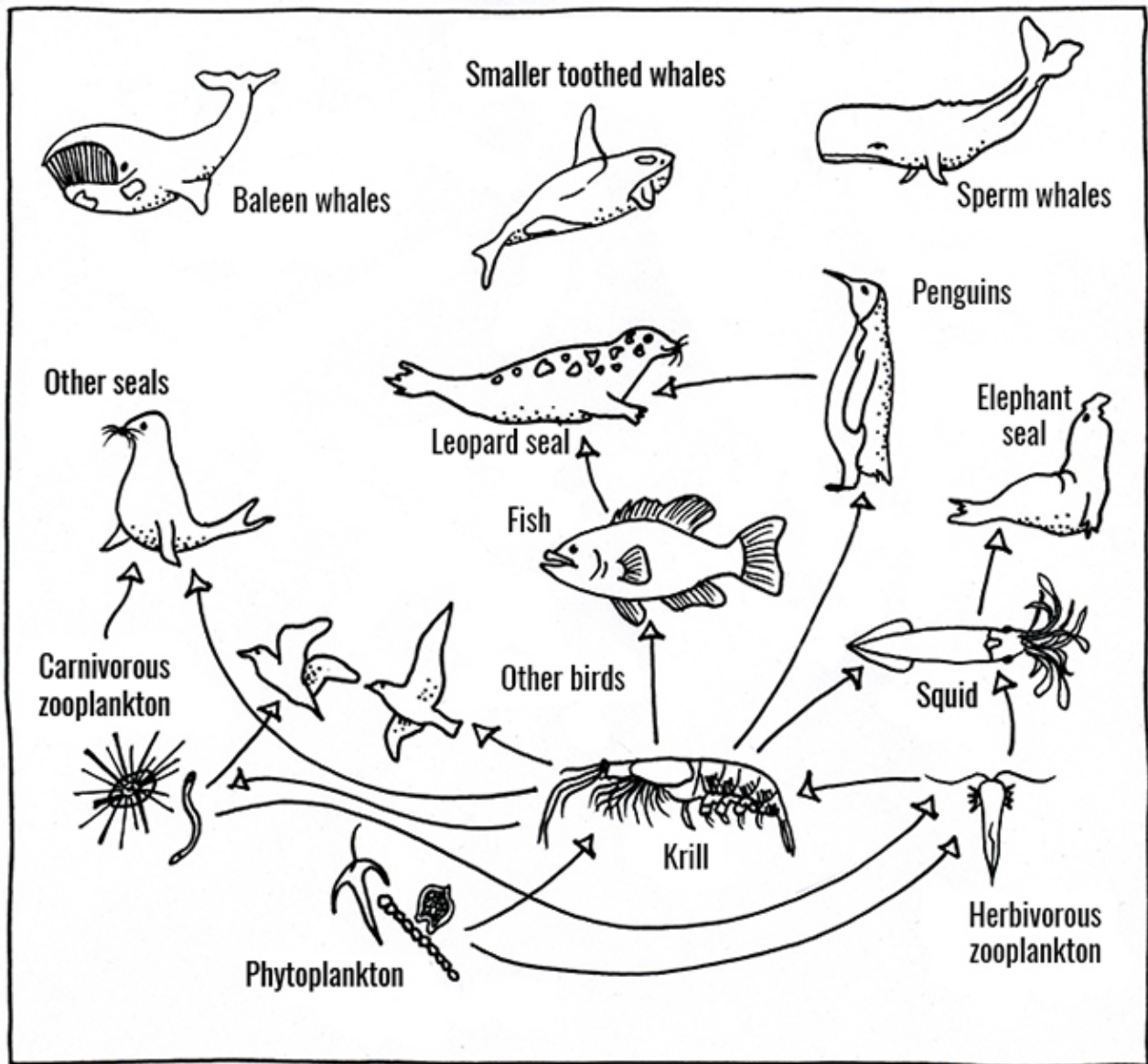
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## Marine Food Webs

Take a look at these organisms that you might find in a marine habitat. Think about what these organisms might consume and add arrows to complete the flows of energy in this food web.



**Remember that the arrows in the food web need to indicate the direction of energy flow.**



## Reflection

Work independently to think about and respond to the following question:

How does thinking about ecosystems in terms of food webs and food chains help you understand how we can care for these ecosystems?

Provide an example.

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These lessons have been created in partnership with  
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