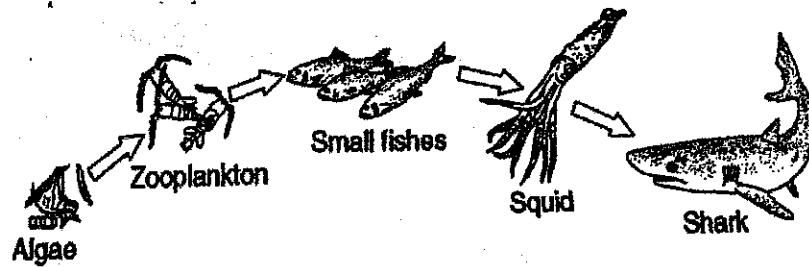
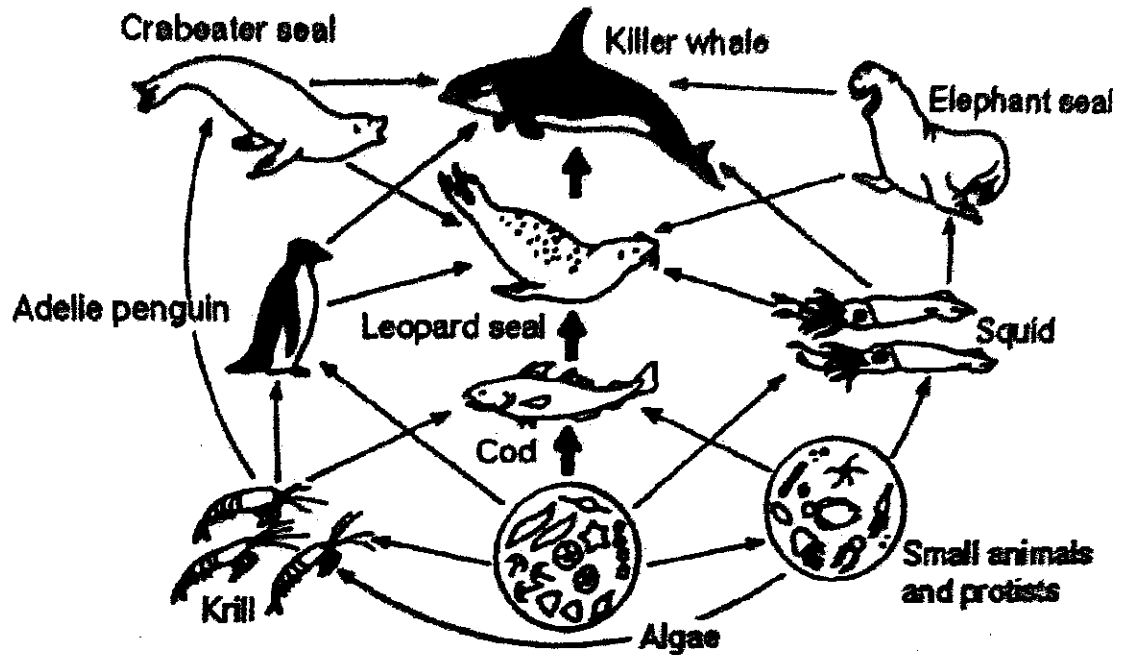


Name \_\_\_\_\_



1. Suppose the ocean supporting this food chain above becomes polluted with harmful chemicals. Which of the organism(s) would have the least concentrated amounts of the toxin?
2. What is this called?
3. What role do plants play in the water cycle?
4. What is the 10% rule? Explain why this occurs.
5. What is an autotroph?
6. What is secondary consumer? Be specific.
7. What's the difference between a food chain and a food web?



8. Using pencil or black pen, circle the producer(s)
9. Using a red pen, circle all the primary consumer(s)
10. Using a blue pen, circle all the consumer that can be a 3 and a 4<sup>th</sup> level consumer.
11. What does the arrow indicate in the food web? Be specific.  
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12. What does nitrogen fixation do in the transformation of nitrogen?
13. What recycles all organism? Give an example of this.
14. Name two fossil fuels.

15. How have humans impacted the carbon cycle? Be specific.
16. What is biomass?
17. What is an ecosystem that occurs over a large area called?
18. If the grass receives 100kcal of energy, how many energy does the 2<sup>nd</sup> consumer get?
19. Organisms at the top of the food chain are not as affected by pollution as the organisms at the bottom of the food chain T F
20. Nutrients cycle through the ecosystem but energy does not. T F