Ecolog	gy Disru	pted:	Chesapea	ake Bay
Name		Class:		Date:
scale Fishi	ng	_	-	d Web Before Large-
species grou (light circles)	ups are abund). Color or cl	dant (dark circle	s) and which spe	cies groups are rare low to indicate which
Abundant Rare 2. Are most	Whales Sharks Seals	Birds Bredatory Fish Sea Turtles Predatory Invertebrates Jellvfish	Grazing Fish Oysters Oysters Worms/Amphipods Zooplankton	sabas Sea Grass Sea Floor Algae Microbes Morms/Amphipods Detritus/Decaying Matter
the name of found in this consumers, interacts wit A	the trophic g ecosystem a and top pred th other troph	roup for groups are decomposers lators. Include a	A, B, C, D, and E s, producers, cor brief explanation	ed by trophic level. Write i. The trophic groups nsumers, secondary n of how each group
D				

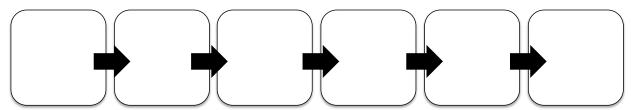
Ecology Disrupted:	Chesapeake Bay	
E		
4A. How is it possible that the worms/a groups?	ımphipods are considered part of two	
4B. In which group are they more approamphipods cause rot on the plants that		
5. What is group F? What is the role of	detritus in the food web?	
6. List the number of strong and weak listed at the top of this chart. Count th (arrows going to or from a species grows)	e number of strong and weak connect	-

Connection	Sea Floor Plants	Predatory Fish	Grazing Fish	Floating Algae
Strong:	Strong:	Strong:	Strong:	Strong:
Weak:	Weak:	Weak:	Weak:	Weak:
Total:	Total:	Total:	Total:	Total:

7. The producers can be organized based on where they are found in the water. Some float and some grow from the seabed. Which producers float and which			

8. In this ecosystem, which type of producers are more abundant, the producers that float or the producers that grow from the sea bottom?

9. Find and write out a six -step food chain:



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10. Compare this food chain to a food chain that you find on land. How do they compare in length? Why do estuary food chains appear to be a different length than food chains on land?
11. What do the microbes eat? Are they producers, consumers or decomposers?
12. If whales and turtles become rare in this ecosystem what would you expect to happen to the number of jellyfish?
13. If whales, sharks, and seals were removed from the ecosystem what would you expect to happen to the numbers of predatory fish?
14. If the oyster population was reduced what would you expect to happen to the quantity of microbes, floating algae and detritus?