

Name _____

Instructions: Read each below. On the line after each sentence, write an *O* if the statement is an opinion and an *F* if it is a fact.

- ① This organism is the most microscopic species in the ocean, yet it forms the center of the ocean's vast and complex food web. _____
- ② As part of this process, I send a byproduct of photosynthesis, oxygen, into the water and air around me. _____
- ③ Fortunately for the rest of the world, there are billions upon billions of us; thousands of phytoplankton can be found in a single cup of seawater. _____
- ④ We feed all marine life forms directly or indirectly, from the smallest creature to the largest. _____
- ⑤ Those 1,000 kilograms of zooplankton consumed 10,000 kilograms of phytoplankton. _____
- ⑥ The abundant sunlight makes this an ideal environment for phytoplankton and ocean plants. _____
- ⑦ Nearly all the seafood eaten by humans comes from the euphotic zone. _____
- ⑧ Anemones are animals that look like beautiful flowering plants. _____
- ⑨ Because of the reef's value, it is critical that they be preserved and maintained. _____
- ⑩ Because it is so hard to see at these depths, viperfish don't actively hunt. _____



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Instructions: Place commas between the items in each list in the sentences below.

- ① Zooplankton are microscopic animals that include tiny animals such as krill, which look like little shrimp, and the larvae and babies of crabs jellyfish shrimp and fish.
- ② Most species of fish, including salmon tuna mackerel cod and swordfish, inhabit the euphotic zone, where there is plenty to eat and good lighting for hunting.
- ③ The reefs support a diverse population of sea life that includes sea fans brain coral clown fish angelfish lion fish moray eels sharks shellfish crabs and lobsters.
- ④ Coral polyps are often killed by pollution boat engines breaking them or divers stepping on them, and once corals die, all the other reef life suffers as well.
- ⑤ You can find mussels sea stars urchins clams barnacles and snails throughout the pools of water that remain onshore after the tide recedes.
- ⑥ As you venture below the euphotic zone, the water begins to get darker colder and heavier.
- ⑦ Jellyfish squid fish and even bacteria have bioluminescent features to compensate for the lack of sunlight.
- ⑧ The abyssal zone is completely dark and covers much of the ocean floor, including vast plains mountains valleys and canyons.
- ⑨ Tube worms shrimp and giant clams can all be found feeding on these bacteria around the openings, or chimneys.
- ⑩ Whether you enjoy the ocean for the beauty of coral reefs the mystery of the abyssal zone or some tasty fish and chips, you have us phytoplankton to thank.



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Instructions: Use a thesaurus to find a synonym and an antonym for each word below. At the bottom of the page, write two sentences using synonyms and antonyms from the chart.

Word	Synonym	Antonym
fierce		
gulp		
critical		
capture		
indicators		
monitor		
maintain		
microscopic		
consume		
brief		
drift		
shallow		

My Sentences:

1. _____

2. _____