

Use with textbook pages 448-450.

Living in saltwater

Vocabulary

20 m	light
200 m	midnight
abyssal	pelagic
benthic	sunlight
food	twilight
hadal	

Use the terms in the vocabulary box to fill in the blanks. Each term may be used as often as needed. You will not need to use all the terms.

- All the life in the ocean is found in one of two large regions. These are called the _____ zone and the _____ zone.
- The _____ zone includes the ocean water to a depth of 4000 m.
- Nearly 90 percent of all living things in the ocean live within the first _____ because this is the average depth to which sunlight can reach in the ocean.
- The pelagic zone is divided into three zones, the _____, _____, and _____ zones.
- Sunlight penetrates the _____ zone, allowing plants to make their own food.
- The light reaching the _____ zone is very dim and will not allow plants to grow.
- The cold, dark part of the ocean that is deeper than 4000 m from the surface is called the _____ zone.
- The benthic zone is divided into two zones, the _____ zone and the _____ zone.
- The _____ zone is at the bottom of the ocean. Temperatures are freezing cold and water pressure is enormous.
- The _____ zone is found in the deepest ocean trenches.
- Because there is no sunlight in the benthic zone, some living things make their own _____ using chemical reactions in their bodies.

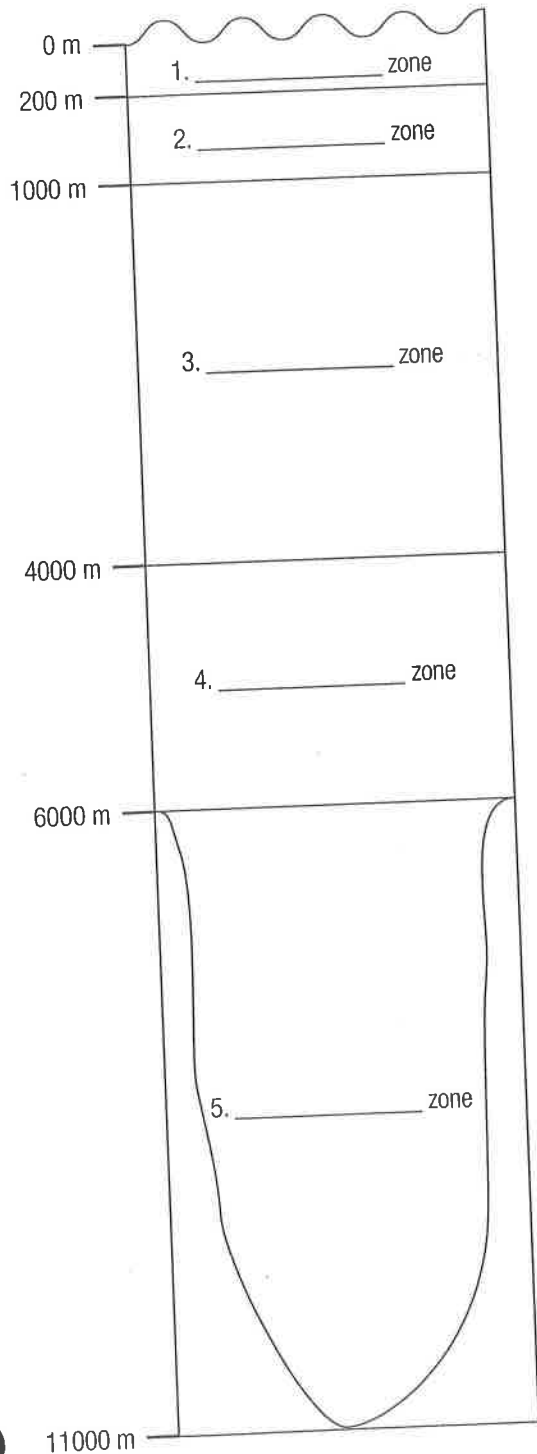
Name _____

Date _____

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Ocean water environments

Label the zones of ocean water. Describe the environment of each zone.



Description

1. _____

2. _____

3. _____

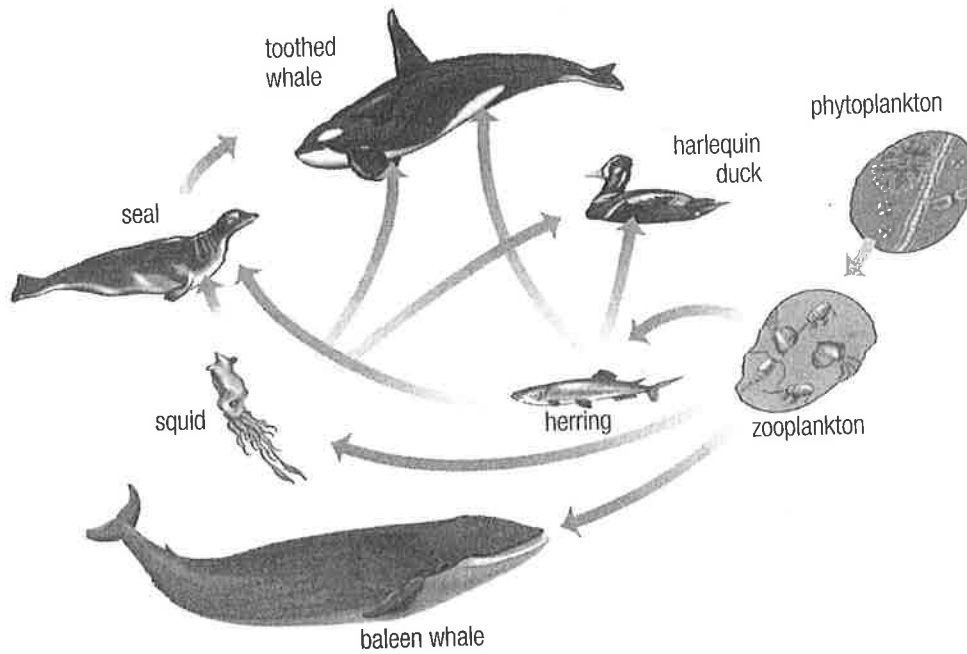
4. _____

5. _____

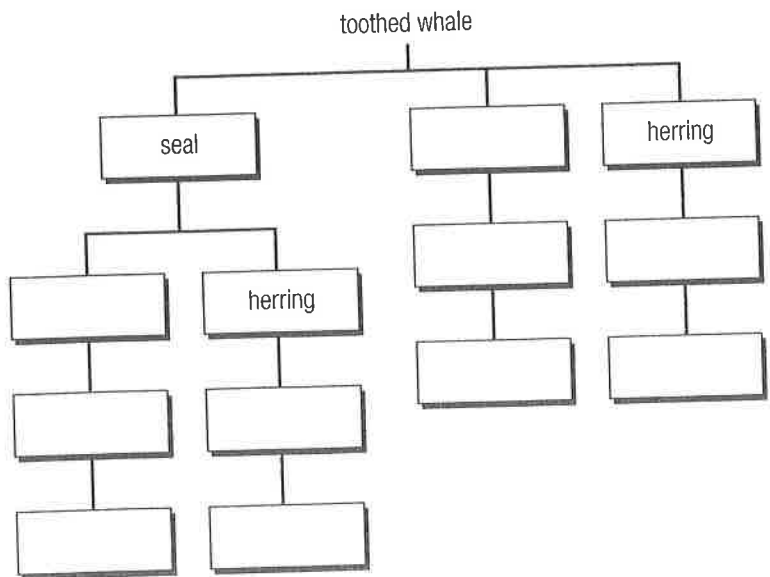
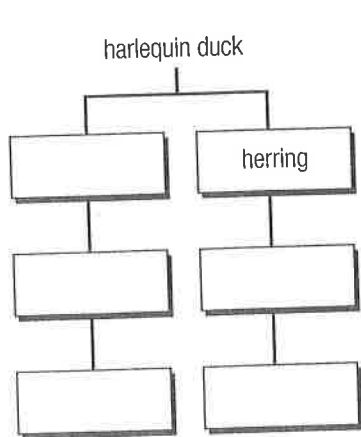
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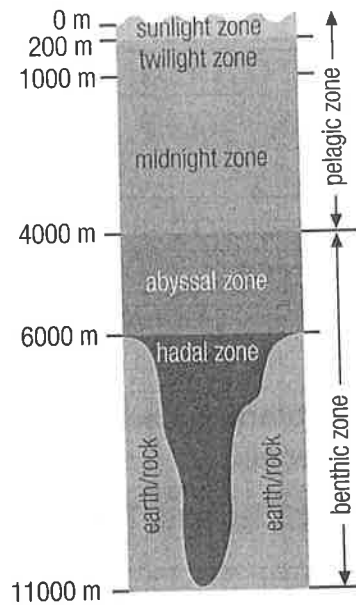
Food webs

Study the diagram below of a food web of the Pacific Ocean. The arrows show what food is eaten by what creatures. For example, the arrows show that the baleen whale eats zooplankton, and zooplankton eat phytoplankton.



Use the food web to help you complete the following food chains. Some answers are provided to help you.





Zones of the Ocean

Zone	Depth	Description
pelagic		
sunlight (epipelagic)	0–200 m	Sunlight penetrates this zone, allowing photosynthesis in plants.
twilight	200–1000 m	The light reaching this zone is very dim and will not allow plants to grow.
midnight (bathypelagic)	1000–4000 m	No light reaches this zone.
benthic		
abyssal	4000–6000 m	This is the zone at the bottom of the ocean. Temperatures are freezing cold and water pressure is enormous.
hadal	greater than 6000 m	This zone is found in the deepest ocean trenches.