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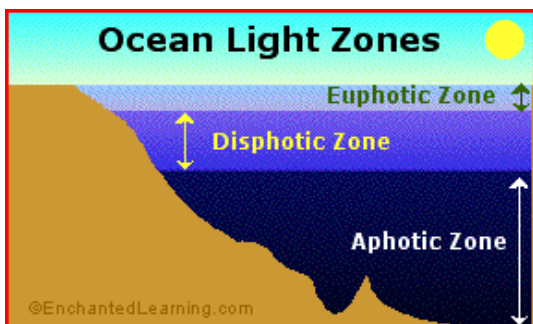
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 <small>©ZoomSchool.com</small>		<p style="color: red;">EnchantedLearning.com</p> <h2 style="color: green; text-decoration: underline;">Biomes - Habitats</h2> 				<p style="color: blue;">Biomes Calendar</p> <p>A calendar to print, color, and read.</p> 									
Arctic	Desert	Chaparral or Scrub		Taiga = Coniferous Forests		Grassland		Tropical Rainforest		Pond		Ocean			
Antarctic	Tundra	Cave	City	Temperate Deciduous Forest		Savanna	Prairie	Freshwater Marsh		Swamp	Intertidal Zone		Coral Reef	Sunlit (Euphotic) Zone	Twilight (Disphotic) Zone

Sunlit Ocean (Euphotic) Zone Animal Printouts



The uppermost layer of the world's [oceans](#) is bathed in sunlight during the daytime. This bright ocean layer is called the **sunlit zone** or the **euphotic zone** (euphotic means "well lit" in Greek) or the epipelagic zone (epipelagic means "upon the sea"). The depth of this zone depends on the clarity or murkiness of the water. In clear water, the euphotic zone can be quite deep; in murky water, it can be only 50 feet deep. On average, it extends to about 660 feet (200 meters); the depth of the ocean averages about 13,000 feet or 4,000 m. The temperature in this zone ranges from 104 to 27 degrees F.

In this zone, there is enough light for photosynthesis to take place, so many plants and other photosynthetic organisms live in this zone and food is abundant. Photosynthesis is a process in which sunlight and carbon dioxide gas are converted into food (chemical energy contained in carbohydrates) and oxygen gas. Photosynthesis in the oceans creates approximately 90% of the Earth's gaseous oxygen. Most of the oxygen is produced by phytoplankton. These primary producers (also called autotrophs) are the first link in the food chain in the oceans. Because of this food source, many animals also live in this zone. In fact, most of the life in the ocean is found in this zone, although it is the smallest ocean zone in terms of volume of water.


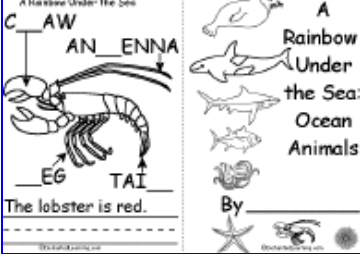

Primary Producers (Algae, Phytoplankton, Plants): In the euphotic zone, photosynthesizers (autotrophs) include:

- Free-floating algae -- often called seaweed
 - Red algae (Rhodophyta) -- Porphyra (from which edible nori is made), dulse, Ceramium and maerl
 - Green algae (Chlorophyta) --thongweed, sea lettuce (Ulva)
 - Brown algae (Phaeophyta) -- like fast-growing kelp, Sargassum, Turbinaria, Dictyota, and wrack
- Phytoplankton -- tiny, one-celled photosynthetic plankton like diatoms, dinoflagellates, and coccolithophorids
- Plants
 - Flowering plants (angiosperms)
 - Submerged: Seagrasses -- flowering plants like eelgrass and thalassia
 - Not Entirely Submerged: Mangroves -- trees that root in the shallow seafloor but grow above water.

Animals: Examples of euphotic zone animals include most ocean fish (including [sharks](#) and [rays](#)), [man-o'-war](#), [jellyfish](#), [sea turtles](#), [seals](#), [coral](#), and [zooplankton](#). Some bottom-dwellers live in the euphotic zone - this zone is defined in terms of light, not depth.

Some of the animals in this zone have countershading. Countershading is when an animal is light on its underside and dark on its upper parts. When a predator looks down at a countershaded animal, it blends into the darker waters; when a predator looks at a countershaded animal from below, the light underbelly disappears into the light. This adaptation helps camouflage the organism, hiding it from predators and allowing it to sneak up on prey. Most sharks, for example, are countershaded.

Sunlit Ocean (Euphotic) Zone Animal Printouts:

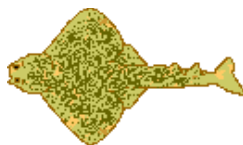
 <p style="text-align: center;"><u>In The Sea</u> <u>An Easy Reader Book</u></p> <p>A short, printable book about sea animals for early readers. The book has pages for the student to cut out, read, color and copy a short phrase. The pages are about a fish, whale, seal, starfish, shell, shark, crab, octopus, jellyfish, shrimp, and clam.</p>	 <p style="text-align: center;"><u>Ocean Animals,</u> <u>A Rainbow Under the Sea</u> <u>A Printable Book</u></p> <p>A short, printable book about colorful ocean animals for early readers. The book has pages for the student to cut out, animal sentences to read and copy (like, "The lobster is red."), activities to do (like labeling the pictures, connect the dots, and matching), and pictures to color. The pages are: lobster, crab, clown fish, starfish, octopus, tuna, sea urchin, seal, orca, beluga whale, and shark.</p>	 <p><u>Angelfish</u></p> <p>Angelfish are brightly-colored, flattened fish that live in shallow warm waters.</p>
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Angelfish

(Simple version)

Angelfish are brightly-colored, flattened fish that live in shallow warm waters.



Angelshark

A bottom-dwelling, relatively harmless shark with a flattened body and a blunt snout.



Basking Shark

A huge filter feeder and the second largest fish.



Beluga Whale

A small, white, toothed whale that lives mostly in cold, Arctic waters.



Bivalves

Bivalves are soft-bodied animals that are protected by two hard shells, hinged together. Scallops, oysters and clams are bivalves.



Blowfish

Also called pufferfish, globefish, and fugu, this poisonous fish can swallow water to double its size.



Bluefin Tuna

A large, bony fish in danger of extinction from over-fishing.



Blue Ring Octopus

A small but very venomous octopus from warm reefs in Australia and nearby regions.



Blue Shark

A sleek, fast-swimming shark with blue skin.



Blue Whale

A baleen whale that is the largest animal that ever lived on Earth.



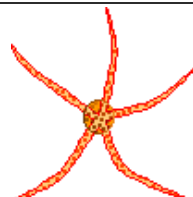
Bottlenose Dolphin

A bottlenose dolphin is a small, toothed whale.



Bowhead Whale

A baleen whale with very long baleen.



Brittle Star

A bottom-dwelling marine invertebrate with long, spiny arms.



Bull Shark

(Simple version)

A blunt-nosed, dangerous, gray shark that can also live in fresh water rivers and lakes.



Bull Shark

A blunt-nosed, dangerous, gray shark can that also live in fresh water rivers and lakes.



Clam

Burrowing bivalves with a soft body.



Clown Fish

Colorful fish that live among sea anemone.



Conch

A marine invertebrate with a large, beautiful shell.



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Copepod

Copepods are tiny crustaceans from fresh and salt water.



Coral

Coral is a tiny marine animal that often lives in colonies. Huge colonies of hard corals form coral reefs.



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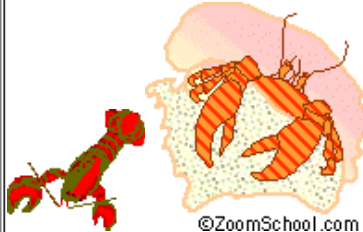
Coral Reef Animals

Coral reefs are warm, clear, shallow ocean habitats that are rich in life. The reef's massive structure is formed from coral polyps.



Crab

A crab is an animal with a shell. It has eyes on stalks on its head.



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Crustaceans

Crustaceans are animals with a hard exoskeleton, jointed legs, and a segmented body.



©ZoomSchool.com

Cuttlefish

Cuttlefish are cephalopods with relatively short legs, a fin along the entire mantle, and an internal cuttlebone.



©Zoom Whales.com

Dall's Porpoise

A black-and-white toothed whale that makes a distinctive spray when it surfaces.



Dogfish Shark

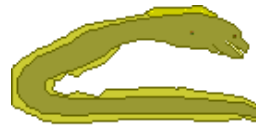
A small, very common, relatively harmless shark found worldwide.



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Dugong

Dugongs are gentle, slow-swimming, aquatic mammals.



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Eels

Information and printouts on these primitive fish that go through metamorphosis.



©Zoom Dinosaurs

Echinoderms

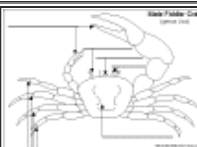
Spiny-skinned, bottom-dwelling marine invertebrates with five-fold symmetry.



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Elephant Seal, Northern

The Northern Elephant Seal is a huge seal that lives in the northern Pacific Ocean. (Family Phocidae, Subfamily Monachinae)



Fiddler Crab: Label Me!

Printout

Label the external anatomy of the fiddler crab.

Answers



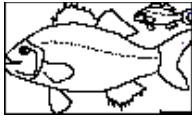
Fin Whale

A huge baleen whale that is the second-largest animal on Earth.



Fish

Fish live in the water and breathe with gills. Most (but not all) fish are found in the sunlit (euphotic) zone of the ocean.



Fish Unlabeled

An unlabeled fish printout to color.



Fish Anatomy

Fish live in the water and breathe using gills.



Galapagos Shark

A large predator found near islands in warm water.



Gastropods

Gastropods are a class of mollusks with a single (or absent) shell and a muscular foot.



Gray Whale

The gray whale is baleen whale that is a bottom feeder; it migrates very long distances each year.



Great Hammerhead Shark

A large predatory fish with a hammer-shaped head.



Great White Shark

An enormous, ferocious predator found worldwide.



Great White Shark (Simple Version)

An enormous, ferocious predator found worldwide.



Greenland Shark

A large, slow-swimming shark with glow-in-the-dark eyes.



Hermit Crab

Hermit crabs are crabs that lack a hard shell; they use a discarded shell for protection.



Hammerhead Shark

Large predators with a hammer-shaped head.



Harbor Seal

Harbor Seals live in the ocean but breathe air. They are marine mammals.



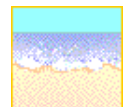
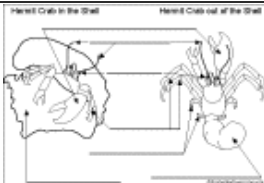
Harp Seal



Harp Seals are marine mammals that live in the North Atlantic and the Arctic Ocean.



Hermit Crab

Hermit crabs are crabs that lack a hard shell; they use a discarded shell for protection.



<p><u>Hermit Crab</u> <u>Diagram: Label Me!</u> Label the external anatomy of the hermit crab both in its shell and out of it. Answers</p>	<p><u>Horseshoe Crab</u> The horseshoe crab is a hard-shelled animal that lives in warm coastal waters on the sea floor.</p>	<p><u>Humpback Whale</u> A long-flippered baleen whale that sings and frolics in the water.</p>	<p><u>Intertidal Zone</u> The intertidal zone is where the sea meets the land.</p>	
<p> <u>Jellyfish</u> Jellyfish are animals that have stinging tentacles. Or go to an unlabeled version.</p>	<p> <small>©ZoomSchool.com</small> <u>John Dory</u> John Dory is a spiny fish with a black spot on its side.</p>	<p> <u>Killer Whale or Orca</u> A toothed whale that lives in small pods in the Arctic.</p>	<p> <small>©ZoomSchool.com</small> <u>Knobbed Whelk</u> The Knobbed Whelk is a marine invertebrate with a spiral shell.</p>	
<p> <small>©ZoomSchool.com</small> <u>Krill</u> Small crustaceans that are eaten by many animals, including baleen whales.</p>	<p> <u>Lemon Shark</u> Large, yellowish predators found near the surface and at intermediate depths.</p>	<p> <small>©ZoomSchool.com</small> <u>Limpet</u> The limpet is a marine invertebrate (a gastropod) with a flattened, cone-shaped shell.</p>	<p> <u>Littoral Zone</u> The littoral (intertidal) zone is where the sea meets the land.</p>	<p> <u>Lobster</u> A hard-shelled marine invertebrate with 10 jointed legs.</p>
<p> <u>Mako Shark</u> Large predators that are the fastest swimming fish!</p>	<p> <small>©ZoomSchool.com</small> <u>Manatee</u> Manatees are gentle, slow-swimming, aquatic mammals.</p>	<p> <small>©ZoomSchool.com</small> <u>Man-of-War</u> The Portuguese man-of-war is a floating colony of animals that has very long, stinging tentacles. It lives in warm ocean waters.</p>	<p> <u>Marine Mammals</u> Mammals that spend most of their lives in the seas.</p>	
<p> <small>©ZoomSharks.com</small> <u>Megamouth</u></p>	<p> <small>©ZoomSchool.com</small> <u>Minke Whale</u> The smallest baleen</p>	<p> <small>©Zoom School.com</small> <u>Mollusks</u></p>	<p> <small>©Enchanted Learning.com</small> <u>Moray Eel</u></p>	

A large, filter-feeding shark that was only discovered in 1976.

whale. It sings and has a white band on each flipper.

Mollusks are soft-bodied invertebrates. Some mollusks include the octopus, squid, clam, snail, slug, and tusk shells.

[Printout](#)
Long, snake-like fish that have circular gills.



[Narwhal](#)

A toothed whale from the Arctic. The male has a huge, spiral tooth.



[Northern Elephant Seal](#)

The Northern Elephant Seal is a huge seal that lives in the northern Pacific Ocean. (Family Phocidae, Subfamily Monachinae)



[Northern Fur Seal](#)

The Northern Fur Seal is a marine mammal that lives in the northern Pacific Ocean.



[Nurse Shark](#)

A large bottom-dwelling shark with rounded fins.



[Octopus](#)

Octopuses have eight legs and live on the sea floor. Go to a [simple version](#) (just the image).



[Octopus Shape Book](#)

A short book about the octopus to print, with pages on octopus anatomy, a connect-the-dot activity, a page on the most poisonous octopus, octopus facts, and octopus questions.



[Orca or Killer Whale](#)

A toothed whale that lives in small pods in the Arctic.



[Oyster](#)

The oyster is a bivalve, a soft-bodied marine animal that is protected by two hard shells.



[Pink Conch](#)

Also known as the queen conch, a marine invertebrate with a large, beautiful shell.



[Pinnipeds](#)

Pinnipeds are marine mammals. They spend most of their life in the seas, but go onto land or ice at times.



[Plankton](#)

Plankton are tiny organisms that float in the seas and other bodies of water.



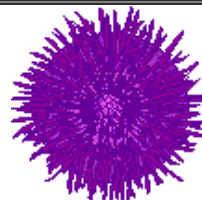
[Port Jackson Shark](#)

A shark from waters off southern Australia.



[Pufferfish](#)

Also called blowfish and fugu, this




[Purple Sea Urchin](#)



[Queen Conch](#)

A marine invertebrate


poisonous fish can swallow water to double its size.	A spiny, globular animal that lives on the ocean floor off the western coast of North America.	with a large, beautiful shell.
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Rays
Rays are flat fish with no bones, only cartilage. Many rays live in coral reefs.



Right Whale
Baleen whales with a huge head and an arched mouth.




Salmon
Salmon are fish that live in the sea and spawn in fresh water.



Sand Dollar
Sand Dollars are echinoderms, disk-shaped spiny-skinned sea bed animals that have 5-part radial symmetry.




Sandtiger Shark (Sand Shark)
A shark that is cannibalistic before birth.




Scallop
Scallops are bivalves, shelled animals that live on the ocean floor.




Sea Anemone
A predatory animal that looks like a flower and lives on the ocean floor.



Sea Cow
Sea cow is another name for manatee. Sea cows are gentle, slow-swimming, aquatic mammals.




Sea Cucumber
Sea cucumbers are cylinder-shaped echinoderms.




Seahorse (labeled)
The seahorse is a very strange fish that lives in warm water. Or [go to an unlabeled version](#).



Sea Lion
Sea lions are eared seals that live on coastlines.



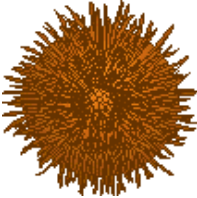

Seals
Seals live in the ocean but breathe air. They are marine mammals.



Sea Otter
Sea otters are marine mammals with very dense, waterproof fur.




Sea Turtle

Shark Anatomy
Label the shark

Sea Star

Sea stars, another name for starfish, are animals that live on the ocean floor.

Sea turtles are large marine turtles.

Sea Urchin

A spiny, globular animal that lives on the ocean floor.

external anatomy diagram.

Answers



Sharks

Sharks are a type of fish that have no bones, only cartilage. Many sharks live or hunt in reefs.



Shrimp

Shrimp are small, bottom-dwelling crustaceans with a translucent exoskeleton.



Snail

A soft-bodied animal with a hard, protective shell.



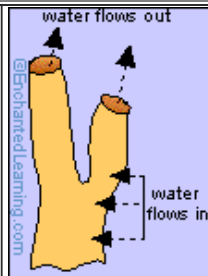
Spectacled Porpoise

A porpoise (a small toothed whale) from the Southern Hemisphere.



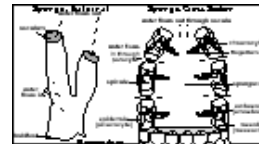
Sperm Whale

The Sperm whale is the largest toothed whale; it is over 50 feet long. It eats giant squid.



Sponge Information Page

Read about these primitive animals.



Sponge Coloring/Information Printout

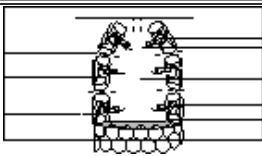
A printable coloring/information page about sponges.



Sponge External Anatomy: Label Me! Printout

Label the external anatomy of a sponge and the flow of water through it.

Answers



Sponge Internal Anatomy: Label Me! Printout

Label the cross-section of a sponge and the flow of water through it.

Answers



Spotted Dolphin

The Pantropical Spotted Dolphin is a small, toothed whale from tropical waters worldwide.



Squid

The squid is a fast-swimming invertebrate with ten arms.



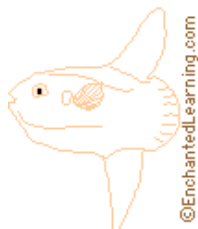
Starfish

Sea stars, another name for starfish, are animals that live on the ocean floor.



Stingray

Stingrays are flat fish with a stinger and no bones (only cartilage).



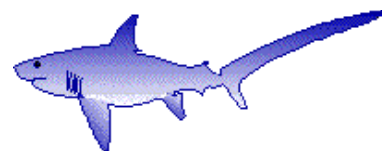
Sunfish

A large fish with an almost circular, flattened body.



Swordfish

The swordfish is a large fish with a long, sharp bill.



Thresher Shark

The Thresher Shark is a shark whose tail fin has a greatly elongated upper lobe.



Tiger Shark

Tiger Sharks are large predators who are found worldwide in warm seas, including coral atolls.



Tuna

The Bluefin tuna is a large, bony fish in danger of extinction from over-fishing.



Walrus

The walrus is a large mammal that spends most of its life in icy seas.



Weddell Seal

The Weddell seal is a large, nocturnal pinniped from Antarctica.



Whales

Whales are marine mammals. Some whales are found near coral reefs.



Whales: Mystery Connect-the-Dots

Learn about whales while you play.



Whale Shark

The largest fish and a filter feeder that eats tiny marine organisms and small fish.



Whales vs. Fish

Determine which characteristics belong to fish, which belong to whales, and which belong to both.



Whelk

Whelks are marine invertebrates with a spiral shell.






Zebra Bullhead Shark

A bottom-dwelling shark with zebra-like stripes.



Zooplankton

Zooplankton are tiny animals that float in the seas and other bodies of water.

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Antarctic	Tundra	Cave	City	Temperate Deciduous Forest	Savanna	Prairie	Freshwater Marsh	Swamp	Intertidal Zone	Coral Reef	Sunlit (Euphotic) Zone	Twilight (Disphotic) Zone

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