

# Blue Abyss Knowledge Organiser

## Subject Specific Vocabulary

<b>Abyss</b>	A layer of the ocean between 4000-6000m deep.
<b>Aquatic</b>	Living in, growing in, or happening in water.
<b>Bialuminescent</b>	A creature or plant that creates its own light.
<b>Coral</b>	A hard, rock-like substance made by polyps as an external skeleton.
<b>Current</b>	The continuous flow of water in a particular direction.
<b>Marine</b>	Of or relating to the sea.
<b>Mollusc</b>	An invertebrate with a soft body that is usually protected by a hard shell such as a snail.
<b>Ocean</b>	A very large area of sea.
<b>Oceanography</b>	The scientific study of the oceans and everything in them.
<b>Organism</b>	An individual animal, plant, fungus or bacteria.
<b>Pollution</b>	The damage caused to an environment when toxic or harmful substances are introduced.
<b>Reef</b>	A long line of rocks, coral or sand that form just below the ocean's surface.
<b>Submarine</b>	A streamlined ship that can travel underwater for long periods of time.



## Topic Links

- English - Treasure Island text
- Science - Animals and their habitats and food chains.
- Art - Collagraph printing deep sea prints

## Sticky Knowledge

- \*There are five oceans in the world which cover just over two thirds of the Earth's surface.
- \*The oceans are the Atlantic, Pacific, Indian, Arctic and Southern.
- \*Each ocean has five layers: the sunlight zone, the twilight zone, the midnight zone, the abyss and the trenches.
- \*Animals in the abyss and trenches use bioluminescence.

## Key Information

- \*The HMS Challenger was the first ship to study the ocean (oceanography).
- \*The Great Barrier Reef is the only living thing which is visible from space, the largest collection of coral and incredibly diverse!
- \*The Great Barrier Reef is threatened by many things including global warming, tourism and the Crown of Thorns starfish which likes to eat it!
- \*Anthony Gormley created the sculpture called Another Place on Crosby Beach in Liverpool.
- \*The first navigable submarine was invented by Cornelius Drebbel.
- \*Submarines work by filling the ballast tanks with water so that the density is higher than the surrounding water.
- \*Some animals use bioluminescence to warn off other animals, as camouflage, to attract prey (food) or to see in the dark.
- \*Animals are adapted to live in different oceans and in different layers of oceans.