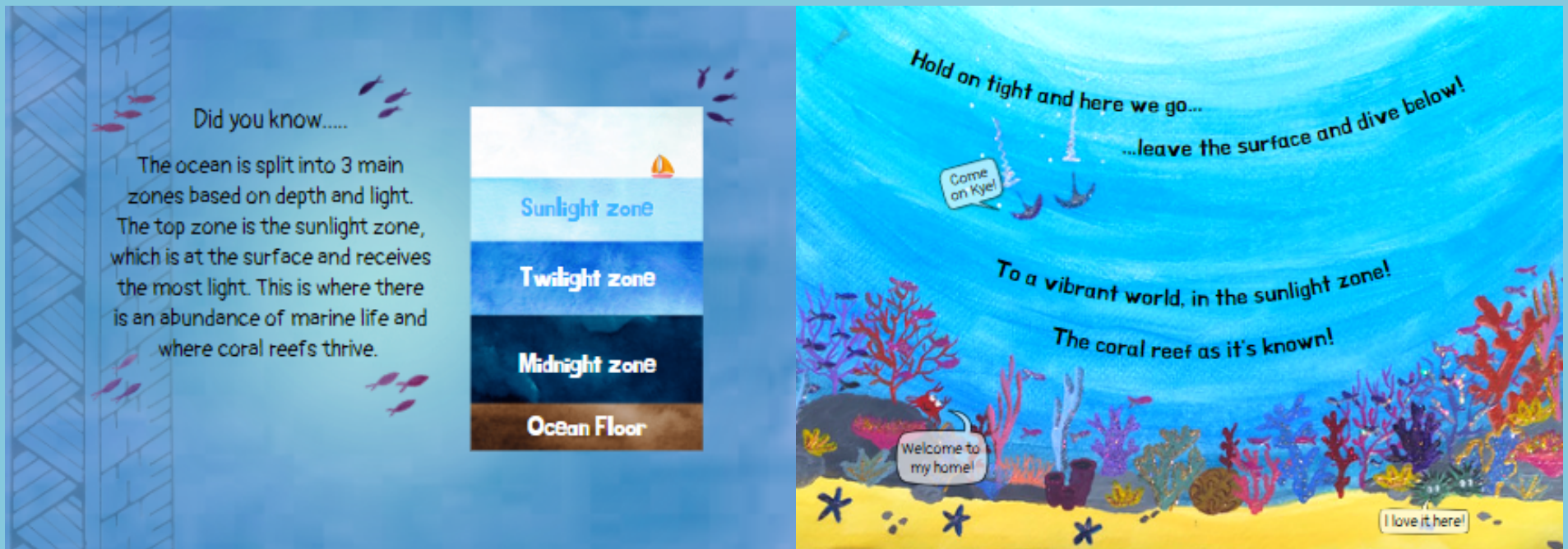


# Activity 1 - Layers of the Ocean



## Lesson Overview

For simplicity the Ocean is usually split into 3 main zones, but in fact it can be split into 5! The sunlight zone (epipelagic), the twilight zone (mesopelagic), the midnight zone (bathypelagic), the abyssal zone (abyssopelagic) and the hadal zone (trenches). Scientist are learning about all 5 zones and while some are easier to explore than others there is so much out there still to explore and understand.

There are so many wonderful resources out there, but here are a few activities to help students learn more about the layers of the ocean, understand the difference between them and test their knowledge.

## Inquiry questions

You could ask these questions before you begin and then again at the end.

- What are the layers of the ocean?
- What do you know about them?

## Ocean Literacy Principles



Watch this video to learn more about what Ocean Literacy is.



### Principle #5

The ocean supports a great diversity of life and ecosystems.

These activities connect to Principle 5. To learn more check out this website



# Activity - making the Ocean Zones in a jar

Check out PBS kids for great instructions and an easy to follow video.

Go to <https://www.pbs.org/parents/crafts-and-experiments/make-ocean-zones-in-a-jar>  
OR Scan the code



SCAN ME

Here are some video's to to watch to support the activity - scan to watch



There are so many exciting craft ideas that you do to help children understand more about the Ocean zones from poster on canva to dioramas to making the layers using playdough and so much more. Here are just 2 examples.



Get the blue shades paint charts and ocean animal stickers



Make your own large poster of the ocean zones. Layers different shades of blue and then draw , cut out and stick on your own ocean animals



# For Teachers/Parents - dive in a bit deeper

Some background info about each of the Ocean zones by Woods hole oceanographic institute

## Sunlight Zone



## Twilight Zone



## Midnight Zone



## Abyssal Zone



## Hadal Zone

Trench Zone



Learn about some different animals that live in each zone



A bit more reading this time about the animals that live in the zones.



Watch this video about the animals that live in the zones.

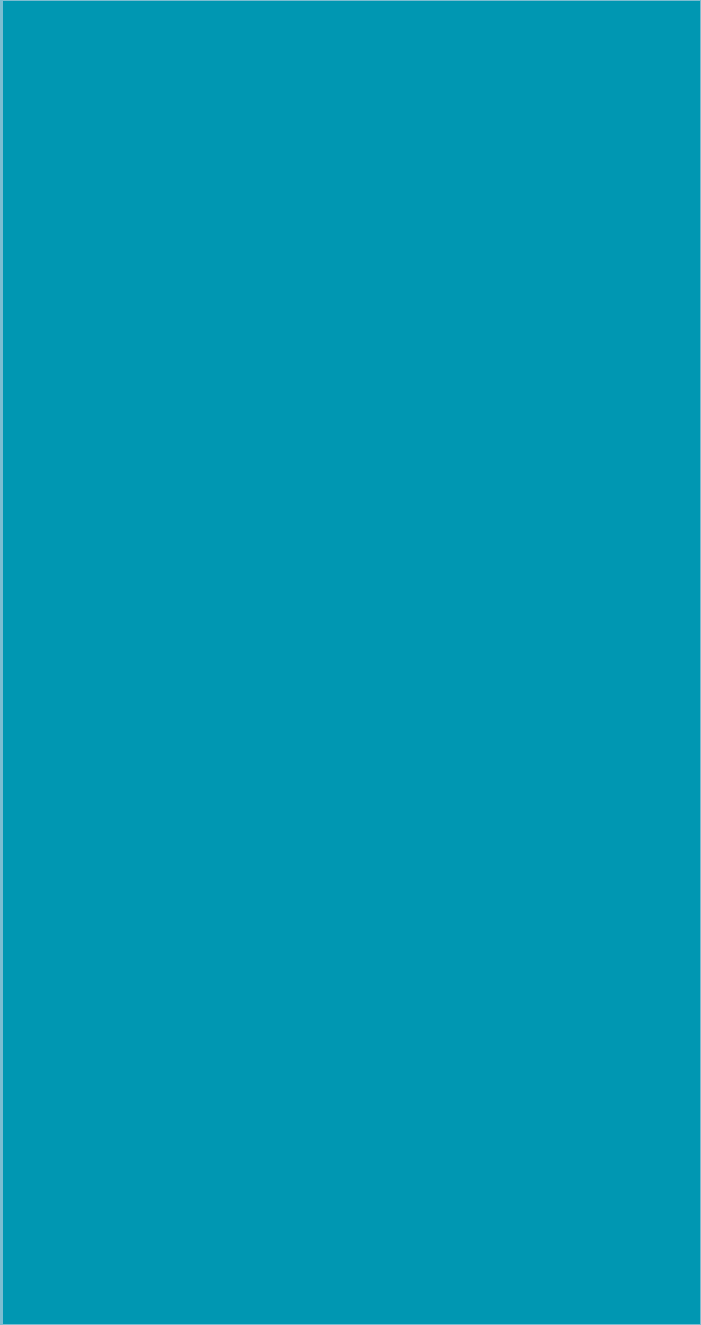
# Activity - mix and match

Copy this page - Cut out the animals and stick them under the correct zone.

SUNLIGHT ZONE

TWILIGHT ZONE

MIDNIGHT ZONE



Blob fish



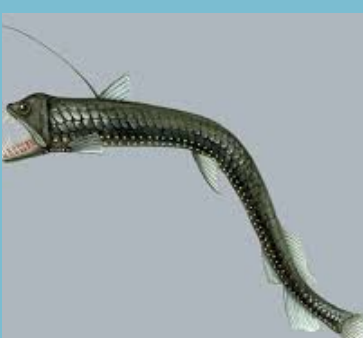
Green turtle



Giant squid



Seal



viperfish



Dolphin



Angler fish



Stingray



Laternfish



Vampire squid

Answers - Sunlight Zone:  
Turtle, stingray, seal, dolphin

Answers - Twilight Zone:  
Giant squid, lanternfish

Answers - Midnight Zone:  
Vampire squid, angler fish, blob fish, viperfish