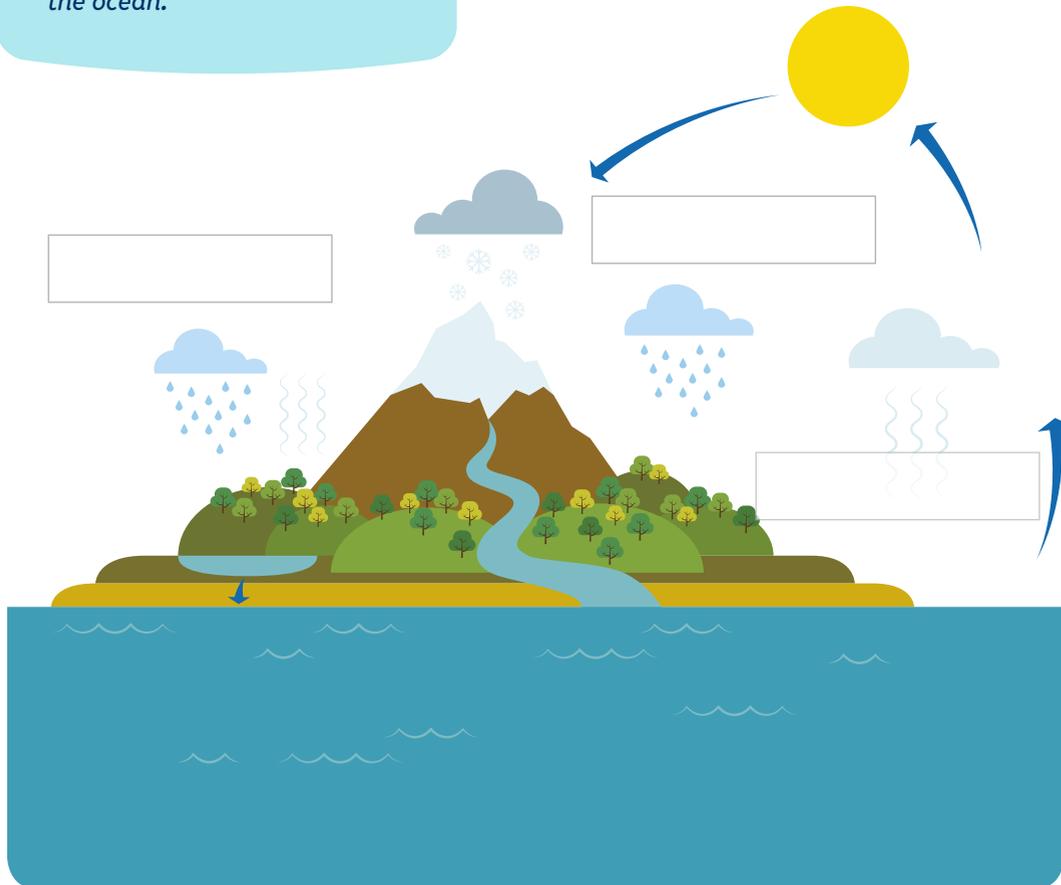


# Ocean Plastic Pollution - The Ocean

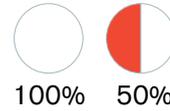


Hi do you remember how important the ocean is in the water cycle? Label all the elements and what is happening in it. Mark the areas with a red x where you think litter leaks into the ocean.



Can you answer these questions on the importance of the Ocean.

(For the percentage answers colour in the circles to the % amount )



1. What does marine biologist Sylvia Earle call the Ocean? \_\_\_\_\_
2. What are the three things the Ocean provides humans that we could not survive without? \_\_\_\_\_ , \_\_\_\_\_ + \_\_\_\_\_
3. How much of Earth's water is in the Ocean? \_\_\_\_\_
4. How much oxygen do we get from the ocean? \_\_\_\_\_
5. What makes the oxygen? \_\_\_\_\_
6. How much of the ocean has been explored? \_\_\_\_\_
7. What type of sensor will three of the Volvo Ocean race boats have to measure small plastics in very remote areas of the ocean? \_\_\_\_\_

Clues: Ocean, Sunshine, Clouds, Rain, rivers, evaporation, condensation, precipitation

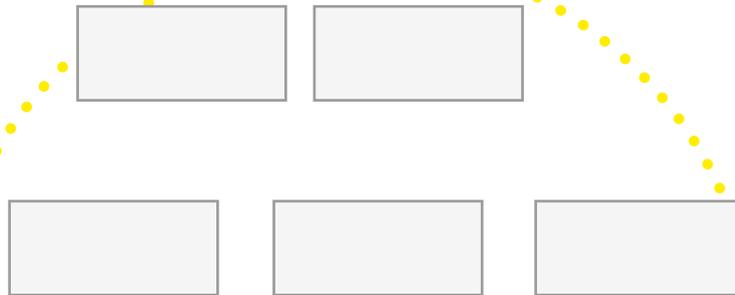
# Ocean Plastic Pollution - The Ocean

## Ocean food chains & food webs

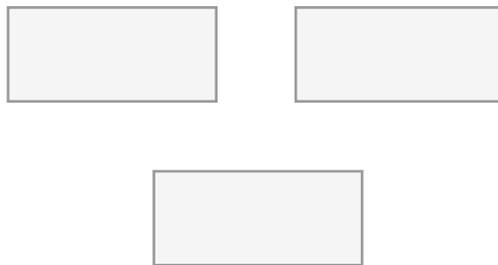
Can you build an ocean food chain and food web. See the example below and some ideas you can choose from. Write the animals names into the boxes and draw lines to connect each animal in the box- e.g. animals that will eat another animal.

### EXAMPLE

- FISH
- ZOOPLANKTON
- PHYTOPLANKTON



### YOUR OCEAN FOOD CHAIN



### YOUR OCEAN FOOD WEB

Make up your own or choose from:

- Phytoplankton
- Micro plastic
- Zooplankton
- Sprat (small fish)
- Tuna (large fish)
- Human
- Jellyfish
- Turtle
- Whale
- Crab
- Prawn

What item in the list should not be in the ocean?

.....

## Champion challenge

Tell your family and friends why you think the ocean is important! Write a poem about the ocean and why we need to protect it. Use the space here to write your poem with 10 sentences. Remember to make it rhyme, you can use words like: ocean, fantastic, save, plastic, water cycle, air, food ! If you are stuck take a look at Topic 2. booklet for lots of ideas on how amazing the ocean is!

## Ocean Plastic Pollution - Plastic



Can you find 6 plastic items in your classroom? Make a table in the box  
Put each item in a column under these four different headings:

1. ITEM,
2. TYPE OF PLASTIC,
3. FEEL from it
4. SINGLE USE (yes / no)



--	--	--	--	--	--	--	--



**Did you expect to find that much plastic?**

**Was there more or less plastic than you expected in your classroom?**

**Do you think you could live without plastic?**

**Imagine you are living over 100 years ago in the 18th Century. What would people have used instead of the plastic items?**

**Put your ideas here:**

**Can the plastic in your classroom be replaced by any other material?**



### See-Think-Wonder

Study the picture and describe what you see, what you think about it, and what you wonder about the image.



Photo: Heidi Acampora

Answer the below questions from what you have learnt on ocean gyres.

- What can you find in the ocean gyre? .....
- How much plastic is there in comparison to plankton? .....
- What breaks plastics down and degrades plastic? .....
- Do you think it is sustainable to see the ocean like this? .....

## Ocean Plastic Pollution - Plastic

I see...

I think...

I wonder...

### Champion Challenge

Imagine you are an environmental writer! Write a news article (no more than 150 words) with a catchy headline on the state of the ocean at the gyres. Also include some information you have learnt from seeing birds like this one in the photo from a trip that you made to the Pacific Ocean on the boat Wisdom Wanderer.

**Keep up the great work!**  
Lets tell people why we need to look after the ocean

# Ocean Plastic Pollution

ITEM	HOW MANY	WHERE IS IT FROM
Plastic bottle		
Cigarette butt		
Tin can		
Food wrapper		
Plastic Straw		

## CHAMPION CHALLENGE

Conduct a litter hunt and look for litter in an area nearby, it could be school yard, playground, beach or street. Collect litter and tick the items you have found in the table. In groups talk about where you think the litter has come from. Put items in the bin & recycle if possible.

**THANKS FOR HELPING WISDOM  
& HER FRIENDS!**

**What item of litter did you find the most?**

.....

**If you didn't pick up the litter where do you think it could end up?**

.....

**What was the strangest item you found?**

.....



# Ocean Plastic Pollution



**What am I? Guess the items of litter and write in the name**

\_\_\_\_\_ □ □ □

1. I last for 450 years
2. I am changed a lot
3. I'm good at soaking things up
4. I am worn by babies
5. This is a baby's toilet!

ANSWER

.....

\_\_\_\_\_ □ □ □

1. It can take up to 450 years for me to degrade.
2. I can be all different shapes
3. I can be all different colours
4. I contain liquids
5. You drink from me on the go!

ANSWER

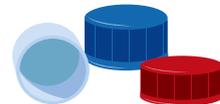
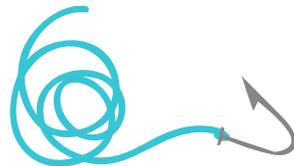
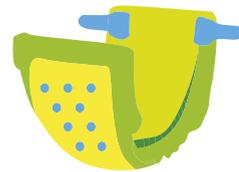
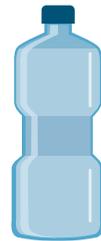
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\_\_\_\_\_ □ □ □

1. I am very long and thin.
2. I am very strong
3. Your food might be at the end of me
4. I'm normally wound up
5. Fishermen use this to catch fish!

ANSWER

.....



\_\_\_\_\_ □ □ □

1. I can last 5 years
2. I get smaller as you use me
3. People put me in their mouth
4. People light me up and then drop me down
5. I am what is left after someone smokes me

ANSWER

.....

*O dear! Another messy beach! Can you help me and my friends by identifying these marine litter items from the clue cards. Draw a line to each piece of litter so we know what it is!*



**Can you guess the litter items from the clue cards? Once you have guessed it, match it up by drawing a line to the picture of the litter!**

**Q. What rubbish item might last the longest if it is not cleaned up?**