



# NMA | NATIONAL MARINE AQUARIUM LEARNING

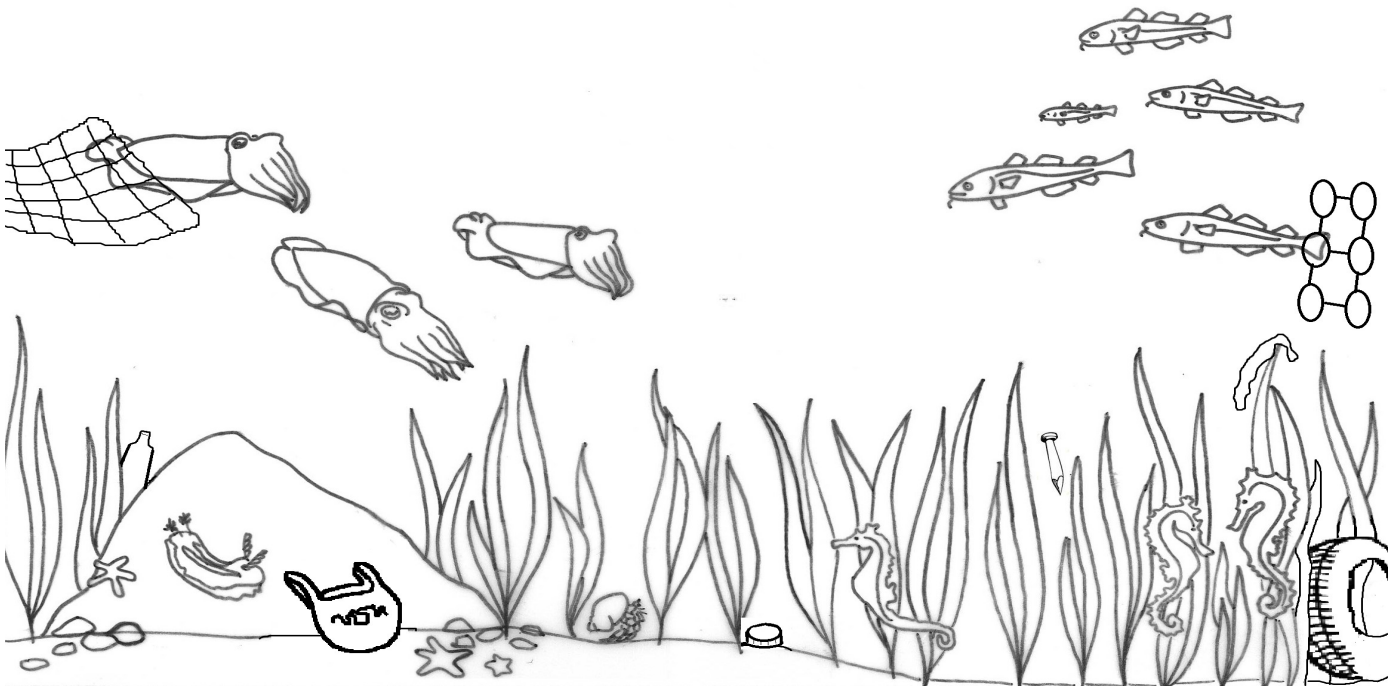


Here at the National Marine Aquarium, we love to celebrate **World Ocean Day for Schools!** We not only love celebrating how amazing our Ocean is, but we also like to be aware of human impact on the Ocean what we can do to help. Have a go at some of our puzzles to find out more!

# Plastic Seas!

**Seagrass** is one of the many habitats under threat from plastic in the sea. It is one of the world's most important shallow water **habitats**, providing **shelter** for many animals such as **cuttlefish** and **seahorses**. But sadly, seagrass and animals who live there are under threat. **Rubbish** blocks the light that seagrass needs to grow and causes problems for animals who get **caught** in it!

Can you circle the 8 items that don't belong? Why not colour in the picture too!



## How can you help?

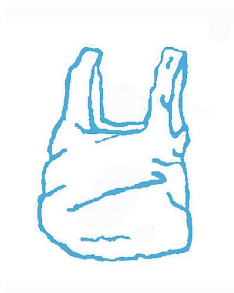
1. **Reduce** the amount of plastic you use.
2. **Reuse** plastic as much as possible.
3. **Recycle** plastic when you see this logo:



## How long will it last?

In the UK we use over 38 million plastic bottles EVERY DAY! Only half of these are currently recycled. This means that many are ending up in the ocean. Once in the sea, **plastic** can absorb **toxic chemicals** from the water and be **mistaken for food** by a variety of animals.

How long do you think it takes for rubbish like plastic to decompose? Draw a line from the picture to what you think is the correct answer. Once done, look at the bottom of the page to see if you were right!



10-20 years



50 years



450 years

2 months



400 years

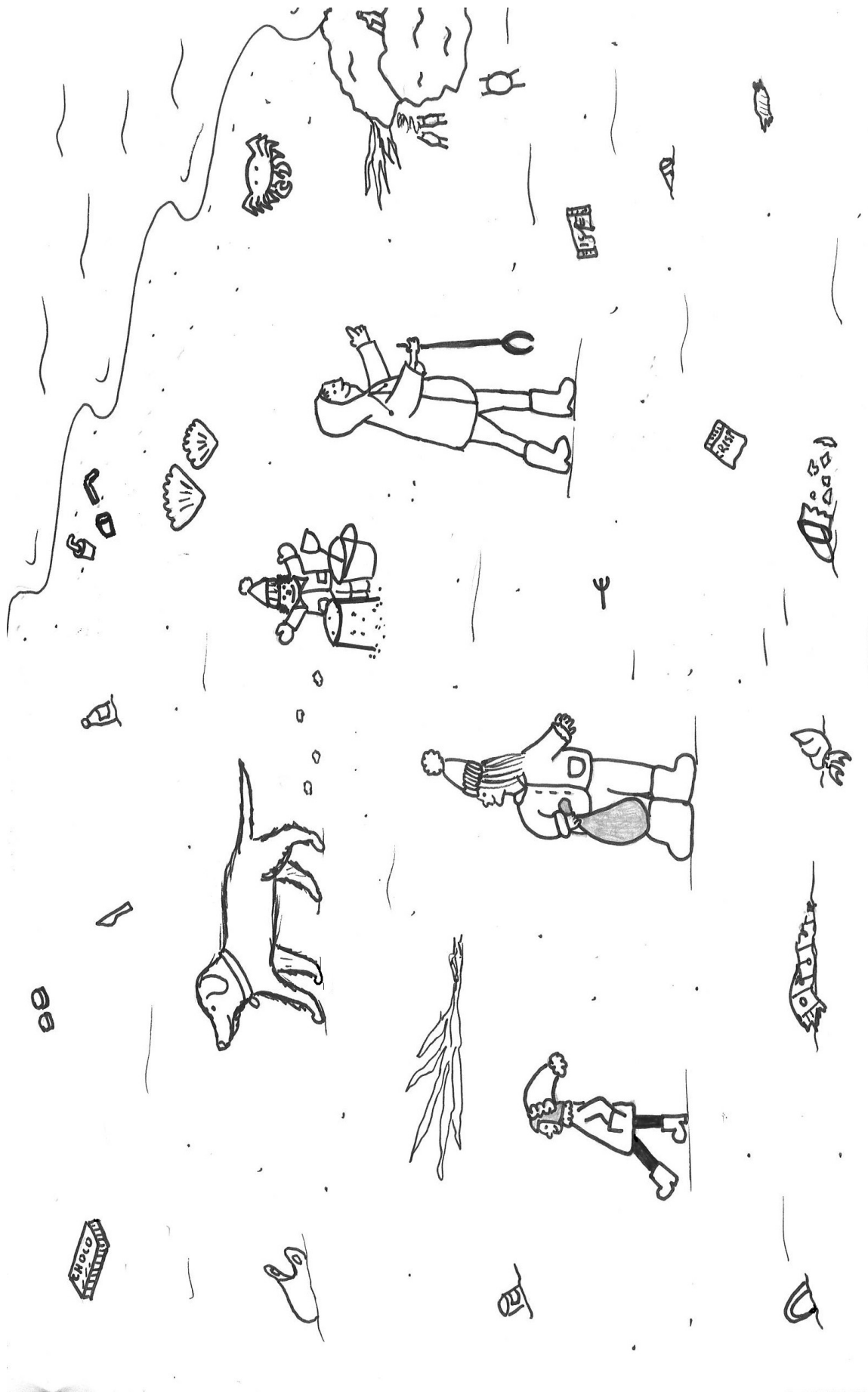


### How can you help?

1. Choose items that are made of **bamboo**, **paper** or **card** instead of plastic.
2. Go on a **beach clean**!
3. **Spread the word...**

Answers: Apple core—2 months. Plastic Bag—10-20 years. Polystyrene cup—50 Years. Plastic bev-erage rings—400 years. Plastic bottle—450 years.

Visiting the beach is always a great way to spend time with family and friends. The people in this picture are making their trip extra special by doing a **beach clean**! There are some natural items on the beach but also many that **don't belong**. Can you circle any items that they could put in their rubbish bags? Colour in the picture afterwards.



# Sort that waste!

It's always great to recycle plastic. But what about other materials? It's important we put all recyclable rubbish such as **paper**, **card** and **metal** in separate bins whenever possible. You could even do this after collecting waste from the beach!

Can you sort the rubbish by drawing a line from the item to the correct waste bin?



The diagram shows five waste bins in the center, each with a recycling symbol. Surrounding the bins are various items of waste. The items are: a packet of crisps (top left), a plastic cup (top center), a newspaper (top right), a banana peel (middle left), a slice of bread (bottom left), a plastic bottle (middle right), and a metal can (bottom right). The bins are labeled: 'Cardboard and paper' (top left), 'General Waste' (top right), 'Metal' (center), 'Plastic' (bottom left), and 'Food Waste' (bottom right).

## How can you help?

Sort your waste, just like you've done here! But there are some items that are difficult to get rid of. What about plastic carrier bags and used batteries? Rather than just throwing them in the general waste, there are places you can take them. **Battery** and **plastic bag recycling bins** can now be found at most local supermarkets. A much better place for them to end up than in a landfill!

# Wonderful Water!

When we use lots of water in our homes, **dirty water** can end up in the ocean around our coasts and **pollute the sea**. Luckily, there are lots of ways to **reduce water waste** in your home!

Can you draw a picture next to each idea to illustrate what we can do to help? Then, draw a circle around TWO things you will try to do at home!

- When we take baths, we use almost twice as much water as when we have showers! Try to have **showers** more often than you have baths.



- When we clean our teeth, it's easy to leave the water running as we brush. Try **turning the tap off** during brushing! If every family member did this twice a day, it would save lots of water.



- **Only flush the toilet when you need to!** If you need to discard tissues and paper towels, they can be put in the waste paper basket instead of the loo.




- When washing vegetables, **collect the water** and use it to water house hold plants!



- Feeling thirsty? Keep a **pitcher of cold water** in the fridge. This way, you don't have to keep the tap running to get cold water every time you need a drink.



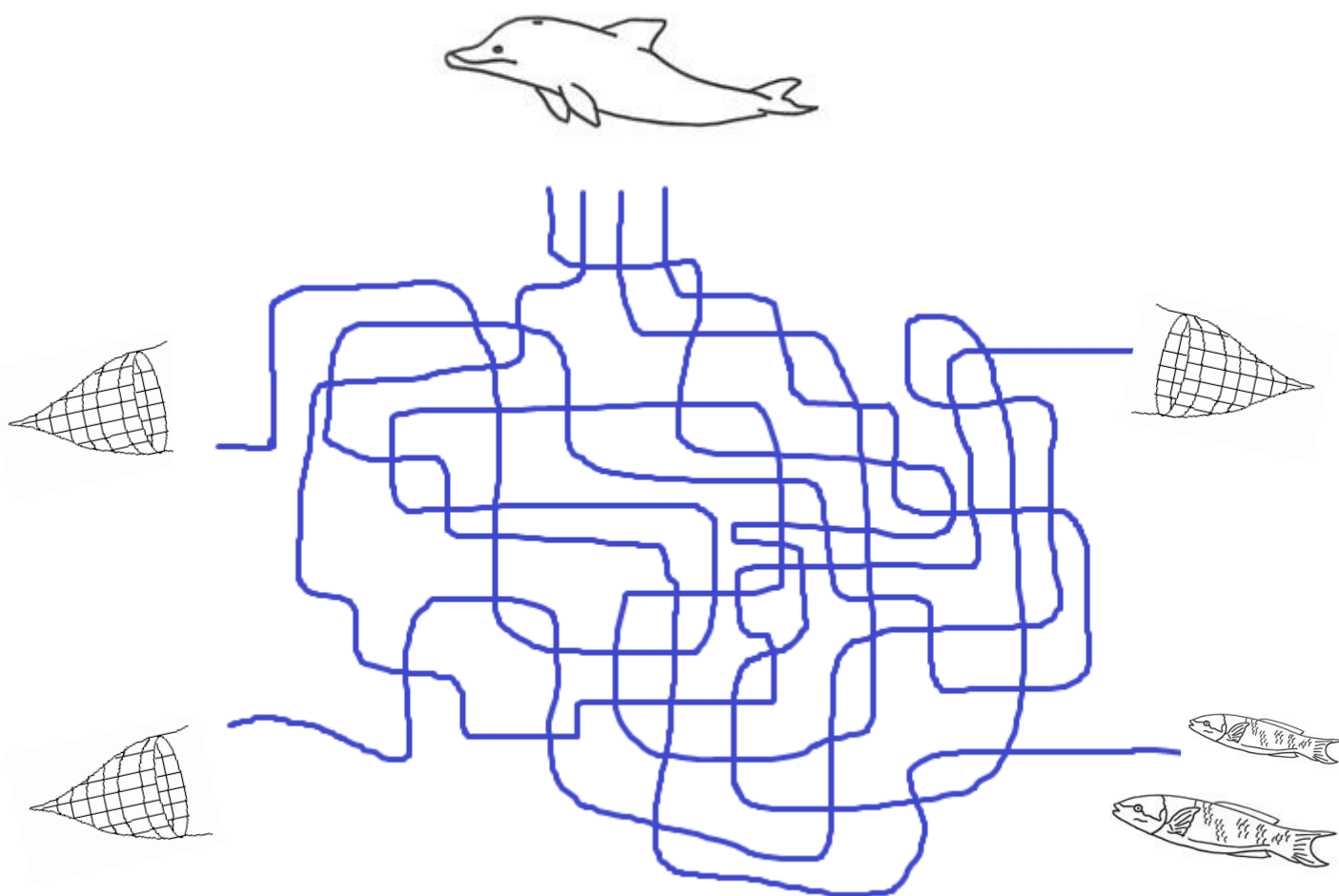
- If there is a dishwasher in your house, always scrape your plate rather than rinse it before putting it into the machine. The **dishwasher should always be full** before turning it on!



## Fishing Frenzy!

Thanks to marine conservation charities in the UK, 50 **Marine Conservation Zones** have been designated around the coast of Britain! This means that **whales, dolphins** and **sharks** can safely feed and breed in these areas without being affected by **damaging activities** such as fishing. But these animals are still at threat in other areas of the sea!

Can you help the bottlenose dolphin find its way so that it doesn't get caught in the fishing nets?



### How can you help?

1. Buy **pole and line** caught fish!
2. Buy fish with the **MSC logo**
3. Download the **Good Fish Guide** from <https://www.mcsuk.org/>





# Ocean Conservation Charities

As we have learned, many animals and their habitats are **under threat** from human activity. **Plastic pollution** and **over-fishing** are just a few of the many problems facing our oceans today. Thankfully, there are lots of organisations who are running **conservation projects** to help **save our seas** and **make a difference!**

Can you find the following organisations in the wordsearch?

W	C	M	A	N	O	P	Q	A	F	R
E	M	C	T	S	A	C	B	M	P	U
V	R	S	P	B	S	G	M	B	B	N
E	S	A	S	F	I	N	T	C	Y	A
S	H	A	R	K	T	R	U	S	T	R
M	O	C	S	A	N	M	E	I	M	N
M	O	U	N	T	B	A	T	T	E	N
D	S	H	A	R	T	R	W	X	C	M
A	S	O	F	H	A	S	M	O	N	A

- NMA
- Shark Trust
- SAHFOS
- CSI
- RSPB
- SAS
- Mount Batten
- MBA
- MCS