

*Always Wonder, Always Question, Always Think Science*

# LIVE SCIENCE

4



**LiveABC**

*First Choice in Digital Language Learning*



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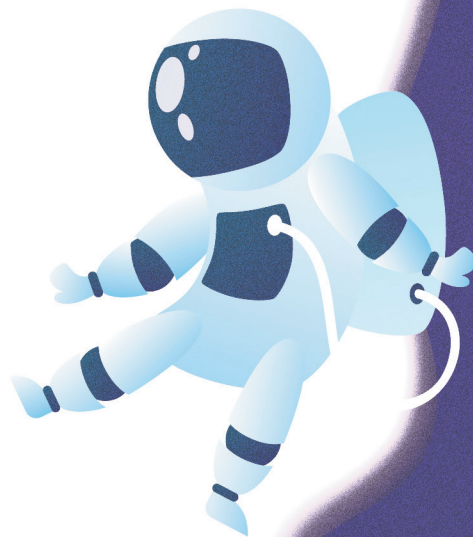
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# Unit 1

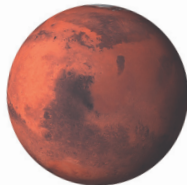
# End Plastic Pollution

Let's  
discover  
it!



Look at the  
picture.

What do you  
see? Circle the  
answers.



What do you think the picture is talking about? Discuss with your friends and color the correct answer.

Tsunami

Ocean Plastic Pollution

Global Warming



Let's  
do it!

# Reusable Racing Car



What do you need?

a box cutter

a plastic bottle

a screwdriver

plastic bottle caps

wooden sticks

disks

super glue

rubber bands

What do you do?



step 1



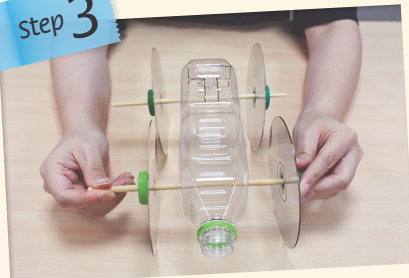
Cut out a T shape, but leave the bottom part attached. Poke four holes, two on each side of the bottle.

step 2



Poke a hole in the middle of the four caps. Then, poke two holes in the middle of the one cap left.

step 3



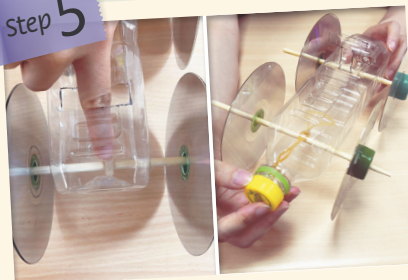
Glue the caps on the disks. Pass a stick through the disk then the bottle. Pass another disk through the other side.

step 4



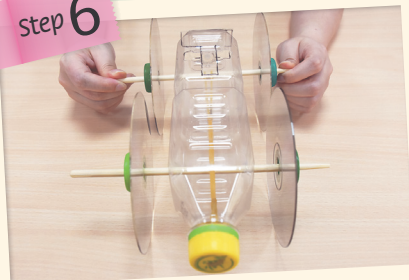
Pass the first rubber band through the two holes of the cap. Then, tie the other two rubber bands to the first one.

step 5



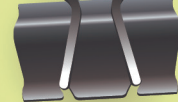
Glue a short stick on the rear stick. Put the rubber band chain into the bottle and tighten the cap.

step 6



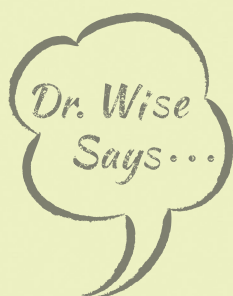
Put the rubber band onto the short stick. Turn the rear stick several times and let go. What happened?





We use a lot of plastic in our daily life. However, the **convenience** of using it causes a big problem on Earth: ocean plastic pollution.

An **ocean current** is a movement of ocean water. It moves from one place to another continuously. Plastic takes a very long time to **break down**. It flows from rivers to oceans. When it is in **ocean currents**, it can be carried around the world. Animals are killed after eating plastic or getting caught in it.

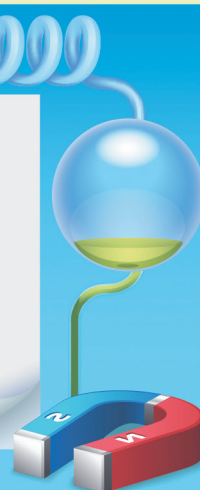


Thousands of animals, from birds to **marine mammals**, die because of ocean plastic pollution. It's our duty to protect them and our environment!



It's your turn!

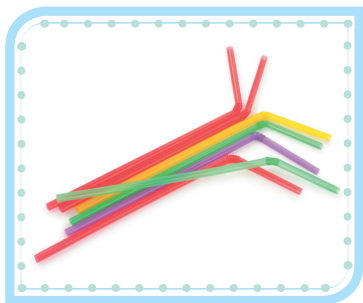
- What is the problem caused by plastic?
- How can plastic travel in oceans around the world?
- How does ocean plastic pollution affect animals?



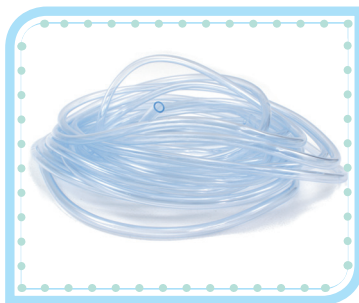




**A** Do you know which one is recyclable or unrecyclable? Put them into the correct bin.



**A**



**B**



**C**



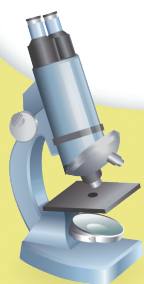
**D**



**E**



**F**



## **B** Reusing Plastic Bags

Cut off the bottom part of a plastic bottle.



Fold and connect five plastic bags together one by one.

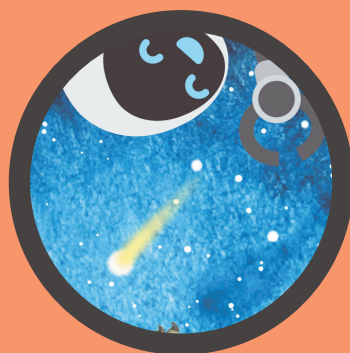


Put the plastic bags into the bottle. Pull a small part of a plastic bag outside the bottle.



Use double-sided tape to stick the bottle on the wall. Take out a plastic bag and reuse it easily!





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Website: <http://www.liveabc.com>

ISBN 978-986-441-405-5