

## Marine Biodiversity Activity

BIODIVERSITY refers to the variety of life on earth. It can be measured by recording the number of different species found in an area, or habitat.

When an environment is home to many different species, scientists say that it has HIGH BIODIVERSITY.

There are many habitats in the ocean that can have HIGH BIODIVERSITY, some examples are CORAL REEFS and ESTUARIES. You'll learn more about them while you watch the video that goes with this lesson.

Today you are going to do a biodiversity scavenger hunt! Imagine that the **rooms** in your house are different **habitats** and the **items** that you will be hunting for are different **types of animals**!

Throughout the activity, you will notice that some rooms have many of the items that you are looking for, while others have just a few.

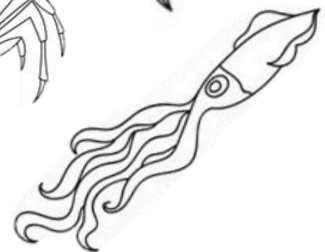
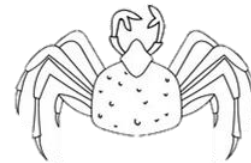
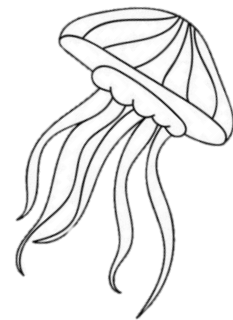
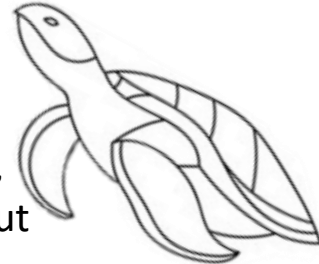
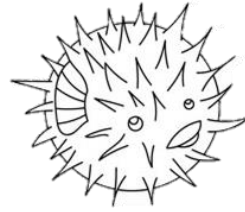
This is a lot like the ocean- some habitats are home to many different types of animals- meaning they have high biodiversity. However, others are home to only a few animals- so they have low biodiversity.

### Materials Needed:

- MARINE BIODIVERSITY Data Sheet
- Pencil

### Instructions:

1. Print the MARINE BIODIVERSITY data sheet or create your own on a blank page.
2. Visit each room, or habitat, listed in the table, starting with the Kitchen.
3. Look around the habitats each item, if you find it, put a ✓ in the box.
4. If you have similar habitats in your home, like Bedrooms or Bathrooms, you can survey them both. Just make sure you keep track of what you found in each using the sections labelled 1 and 2.
5. Use the data you collected to answer the questions at the bottom of the page.
6. Take a picture of your data sheet and share it with us @harborbranch!



## Marine Biodiversity Data Sheet

Name: \_\_\_\_\_

Date: \_\_\_\_\_

	Paper Products	Electronics/ Appliances	Food	Furniture	Pictures/ Decorations	Writing Utensils	Games
<b>Kitchen</b> _____							
<b>Living Room</b> _____							
<b>Bathroom</b> _____	1	1	1	1	1	1	1
	2	2	2	2	2	2	2
<b>Bedroom</b> _____	1	1	1	1	1	1	1
	2	2	2	2	2	2	2

1. Which room was the most diverse? \_\_\_\_\_

2. Which room was the least diverse? \_\_\_\_\_

3. Were there any items found across multiple habitats? If so, what were they?

\_\_\_\_\_

\_\_\_\_\_

4. Were there any items that were only found in one habitat? If so, list the items and the habitats they were in.

\_\_\_\_\_

\_\_\_\_\_

5. Did you find the same items in similar habitats (ex. In bedroom 1 and 2 or in bathroom 1 and 2)?

\_\_\_\_\_

6. Use your diversity data and the information from the video to assign a marine habitat to each room of your house (ex. Coral Reef, Estuary, Deep Ocean, Open Ocean). Write the habitat name on the line underneath the rooms on your chart.