

Activity 3:

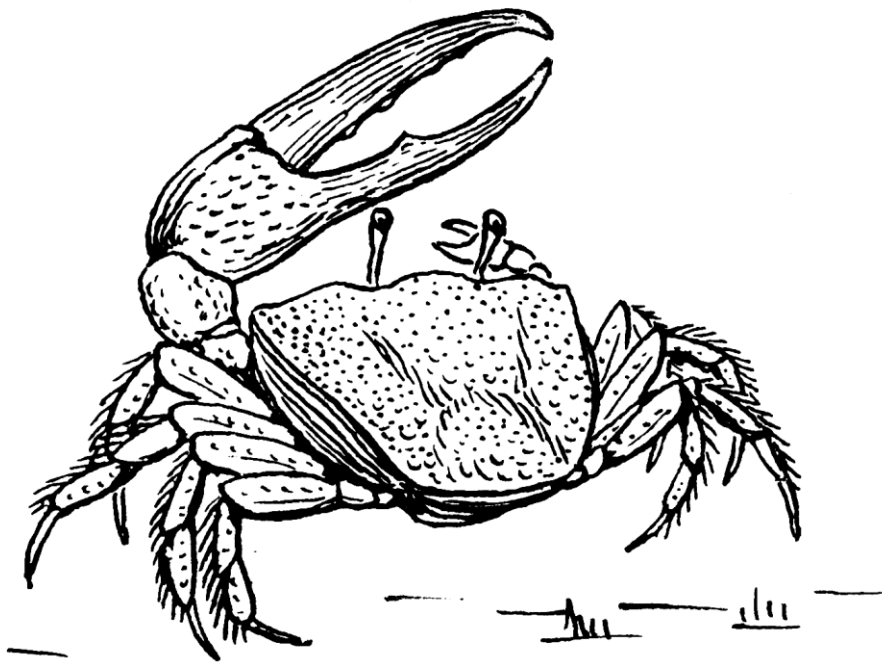
Tide pool biodiversity

(Activities for 3rd + grade students)

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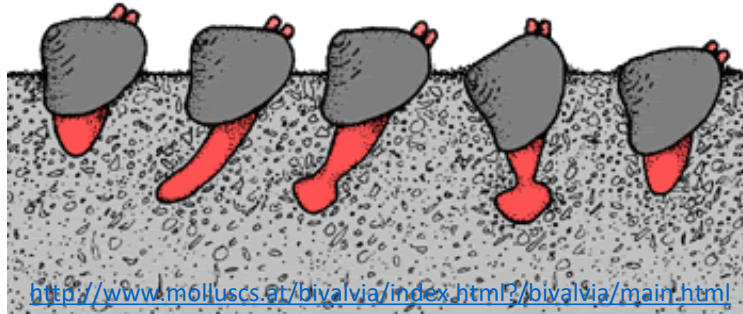


Activity 3.1: Move Like a Sea Creature

Food for thought:

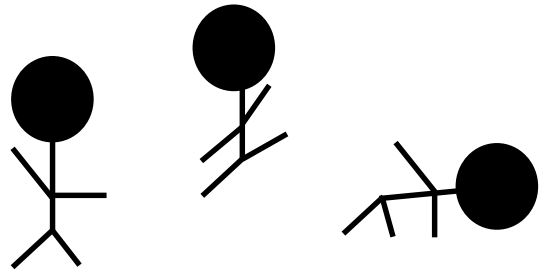
In this activity we are going to think about how different animals move around.

Can animals move in the same ways you can? Which animals can move like you? Which animals can't move like you? Can a clam move like you? Can you move like a clam?



Step 1:

First think about how many different ways you can move your body ... Make sure you have plenty of space to move around and then try some out!



Step 2:

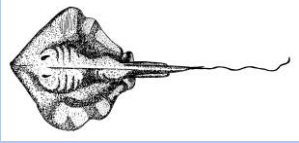
We are going to try out some animal movements! Try to imitate the animals on the movement cards. You can make the movements with your hands, feet, arms, legs, or whole body... it's up to you. If you want, you can ask a friend or family member to help by making the movements for you instead.

Let's discuss

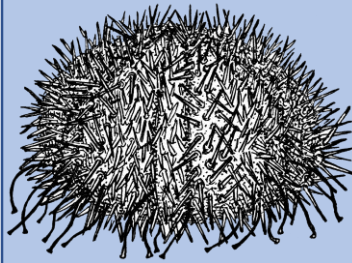
1. Do animals have any special body parts that help them move?
2. Can all animals that live on or near the shore swim?

Write your answers here:

Activity 3.1: Move Like a Sea Creature



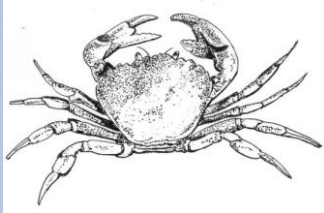
Stingray



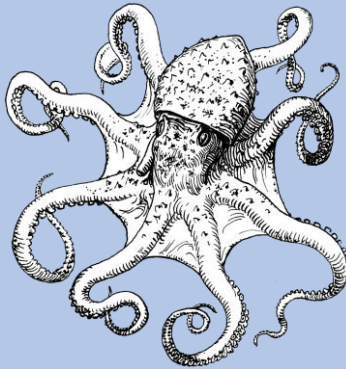
Sea Urchin



Shark



Crab



Octopus

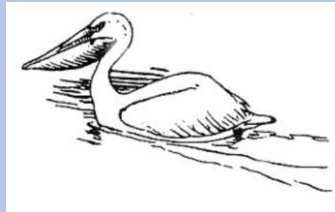


Clam



Philippe Alès, Public domain, via Wikimedia Commons

Jellyfish



Pelican



Starfish

Activity 3.2: Tides coming in and out

Food for thought:

1. What kind of animals live on the beach?
Where on the beach do they live?
2. Which animals eat other animals and which animals get eaten?
3. Some animals need to stay wet all the time... Which ones?

What you will need:

- ☐ Sticker book
- ☐ Black plastic tray
- ☐ Plastic Quart Container filled with water
- ☐ 8oz Plastic Cup

Step 1:

We are going to build our very own ocean shores! Use your sticker book to decorate your shore model (black paint tray). The deeper part can represent the ocean where fish and other sea creatures live. The shallower part is the beach.



Step 2:

Fill the bottom part of your model (the ocean) with water.



Step 3:

Now we are going to see what happens when the tide comes in. Slowly add water to your shore model. Pay attention to which animals get covered up first. Make sure not to fill over the edge!



Step 4:

Now we are going to see what happens when the tide comes back out. Use the small plastic cup to remove water cup-by-cup from your model. Pay attention to which animals dry out the fastest and which stay underwater for the longest.



Activity 3.2: Tides coming in and out

Let's discuss

1. How do the different animals in your models keep from drying out during low tide? Does this have anything to do with how they move?
2. If you were an animal that lived on the ocean shore, how would you keep from drying out?

Write your answers here:

Tide Pools

A tide pool is a small pool of water that gets trapped on the shore when the tide goes out. Usually these pools can only be found at low tide. Lots of cool animals call tide pools their home!

