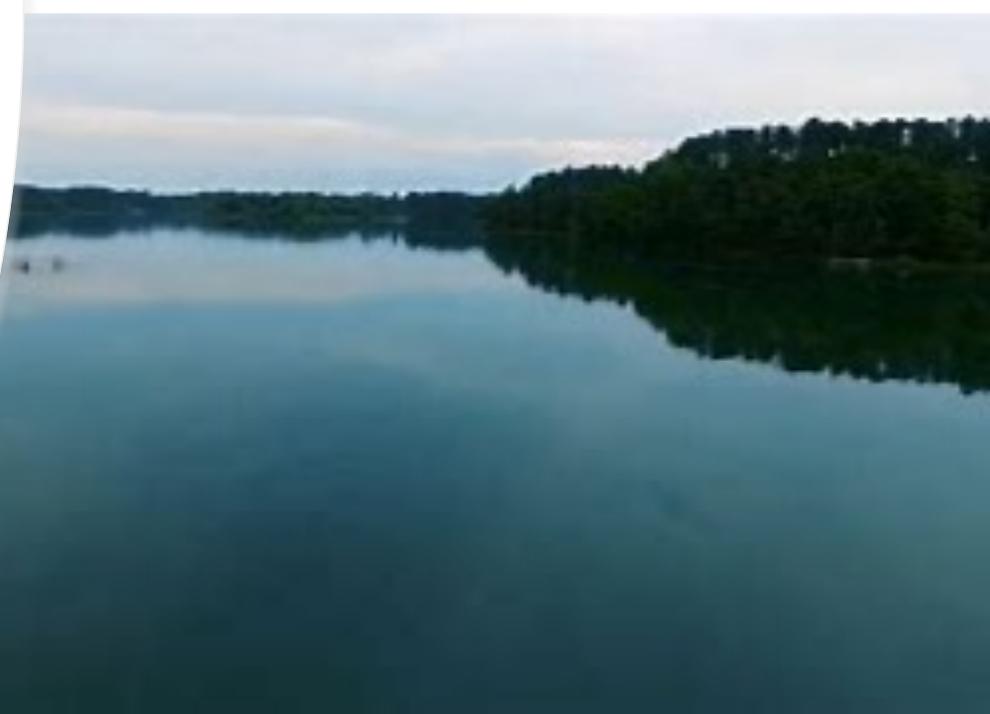


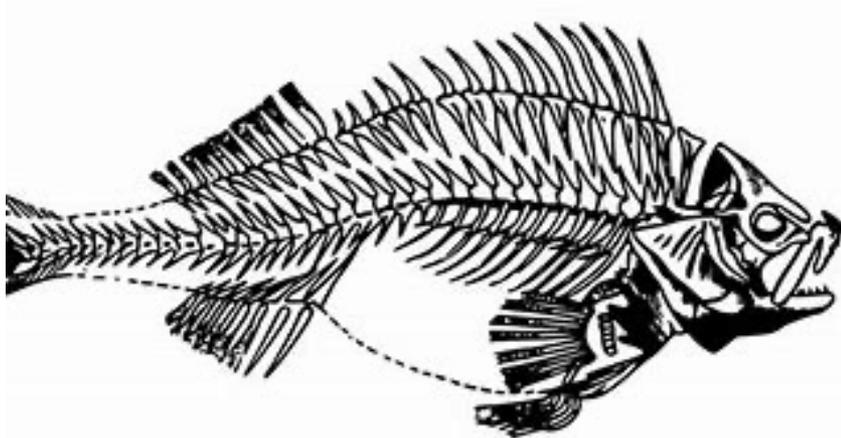


# Fish Full Rivers and Lakes

Fish and friends

- Different living things live in aquatic ecosystems--waters.
- Fish, snails, mussels, macroinvertebrates, are some of the things that live in our rivers and lakes.
- Fish live in different *environments* or *ecosystems* within bodies of water.
- Some fish live in freshwater and some fish live in saltwater.
- Fish live in different places in lakes and in rivers—on rocks, in mud, by plants.
- Some fish like fast currents and some fish like slow currents.





- Fish have backbones; they are vertebrates. You can touch your spine.
- Most fish have fins and scales. There are different kinds of scales and scutes that are hard bony plates. They help protect the fish. You can wrap your arms around your body to remember that scales and scutes protect the inside of the fish.
- Fins help the fish move and go where it wants to go. *Dorsal* and *anal* fins help with balance, *pectoral* and *pelvic* fins steer, and *caudal* fins push it forward. You can put your hands together and move them like a fish swimming.
- Fish breathe with gills. You can place your hands by the sides of your neck to make gills.
- Pores on the lateral line help fish sense movement.
- Fish are cold-blooded so they have the same temperature as their surroundings.



## Your fingers can be water dwellers--

Fish live in the water, with their fins and scales, (*patting body*)

And other water creatures like the mussels and the snails! (*fist*)

<https://www.sariverauthority.org>

You can sing the song to *I'm a Little Teapot*.

I'm a little fish and I have scales.

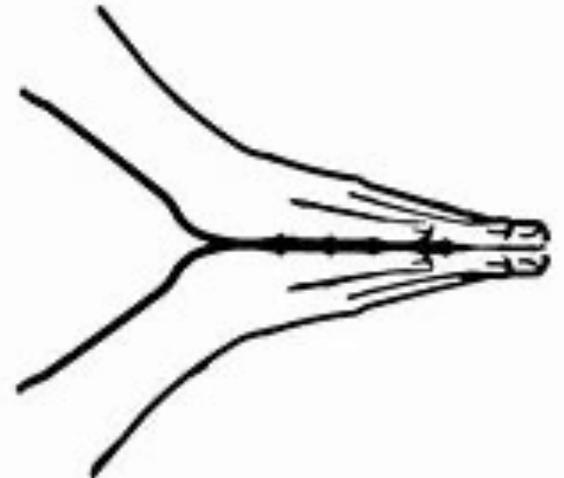
I live with my neighbors, the mussels and the snails.

(You can put 2 hands together in prayer position facing away from you. They're the fish. Wiggle them back and forth like a fish swimming through the water.)

I have fins that help me go (Layer hands on each other.)

Swimming through the water fast and slow!

(You can put 2 hands together in prayer position facing away from you. They're the fish. Wiggle them back and forth like a fish swimming through the water.)



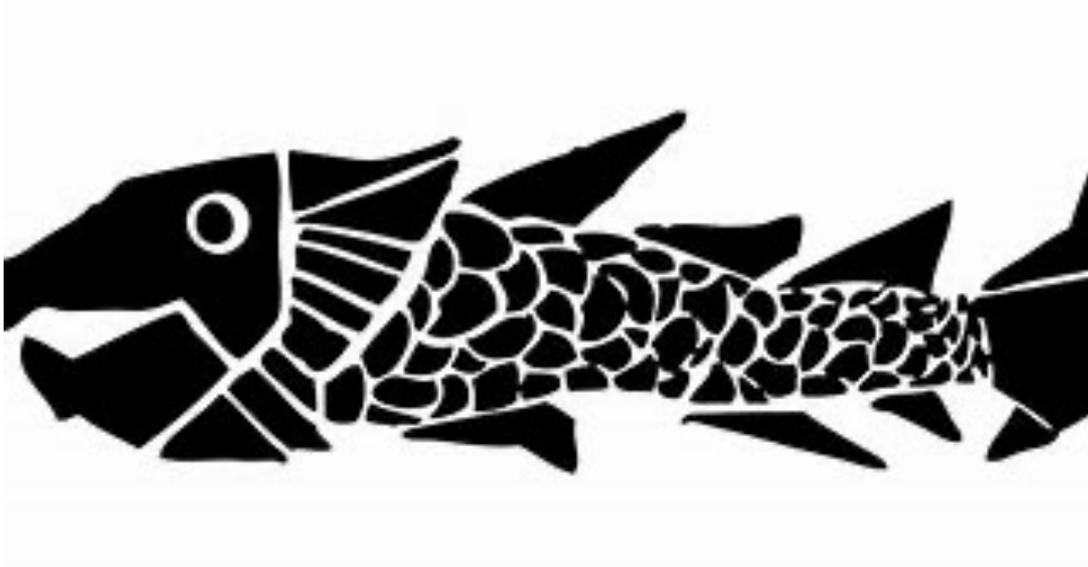
# Fish Full Water

There are lots of living things in bodies of water!





Fish live in the water,



with their fins and scales,



And other water  
creatures

<https://www.sariverauthority.org>

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like the mussels and the  
snails!

<https://www.usgs.gov/science-explorer-results?es=freshwater+snails>



Fish live in the  
rivers with  
their fins and  
scales

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And in the lakes with the  
mussels and the snails!



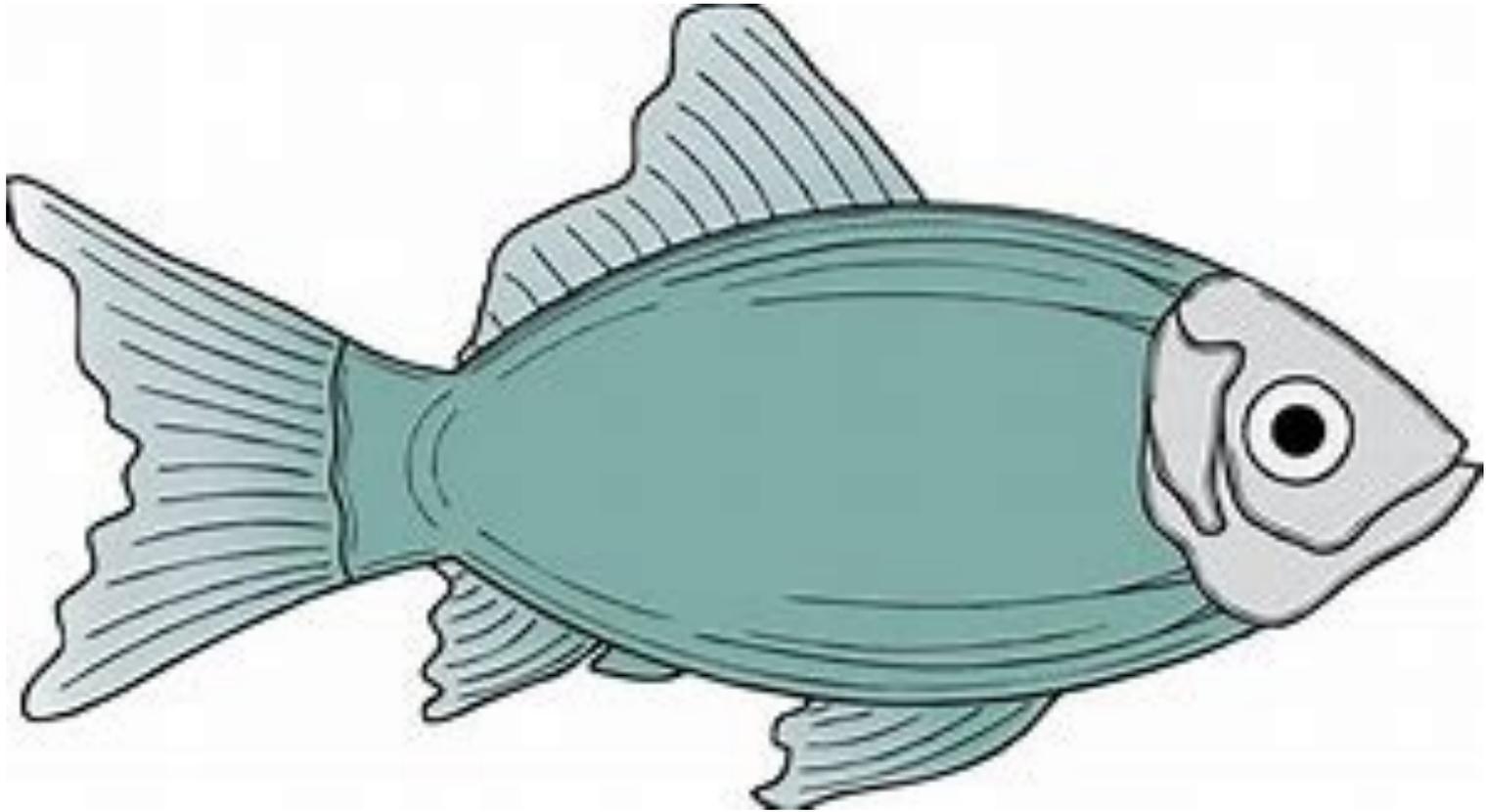
How can you create an aquatic environment? Walk outside and find sand, rocks and plants. Lakes and rivers have sand, rocks and plants.

Is there a river or lake near where you live?

Place your sand, rocks and plants in a clear container and add some plastic or rubber water creatures. You can find creatures and plants at an aquarium or fishing store. Now fill the container with water to pretend an aquatic environment!



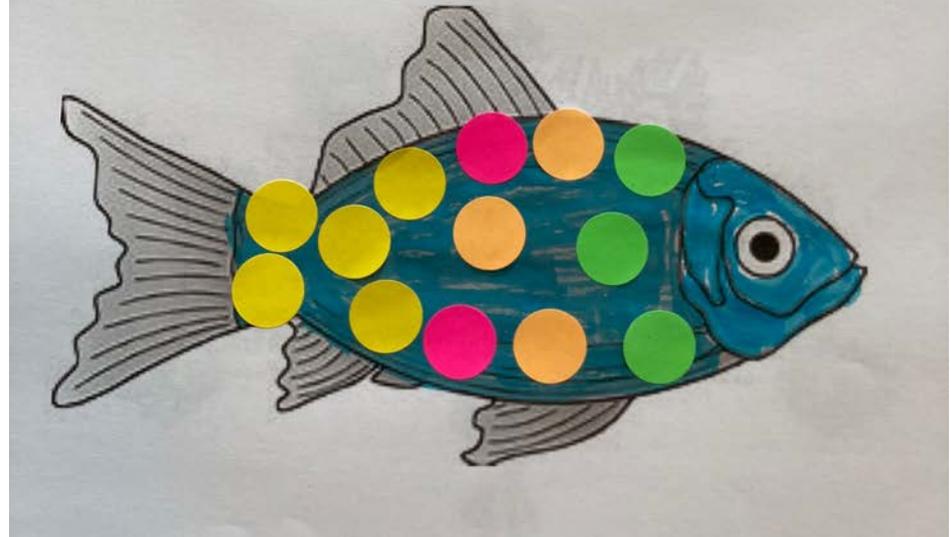
You can be a fish artist and decorate your fish! After you color it, you can glue foil, sequins, or round stickers on for scales.



You can  
engineer a  
fish!



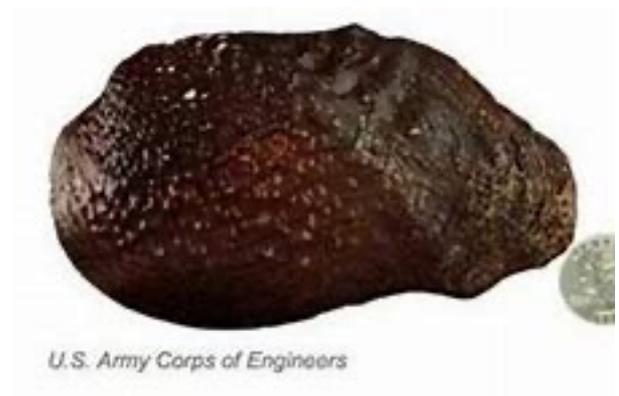
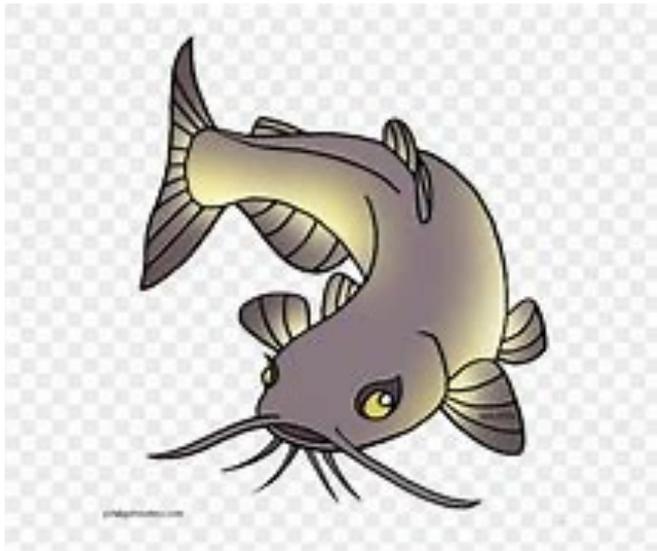
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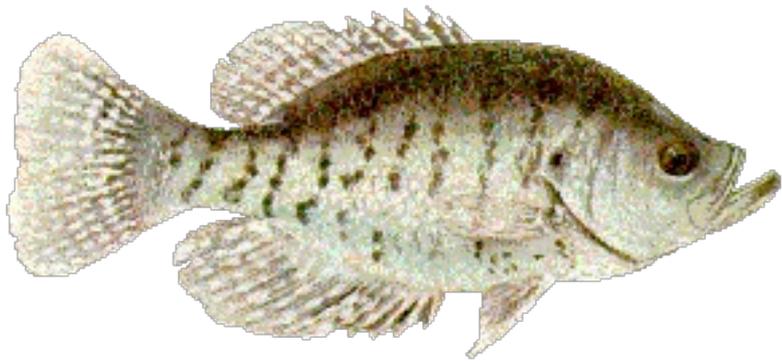
You can glue water dwellers on the mural. You can glue sand, soil, rocks, shells, plants, bubble wrap or cellophane on too!



Aquatic life to glue on the mural!



River and lake dwellers to glue on the mural.

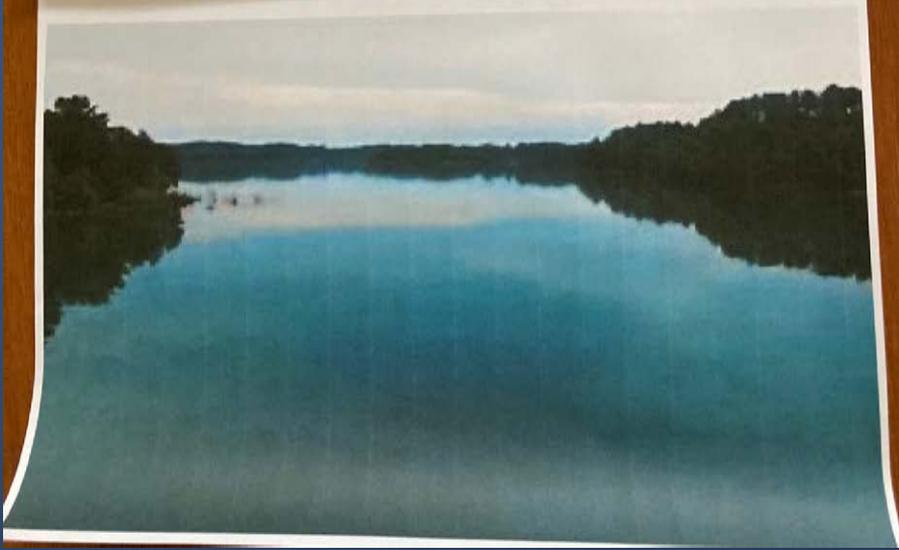




You can glue water dwellers on the mural. You can glue sand, soil, rocks, shells, plants, bubble wrap or cellophane on too!



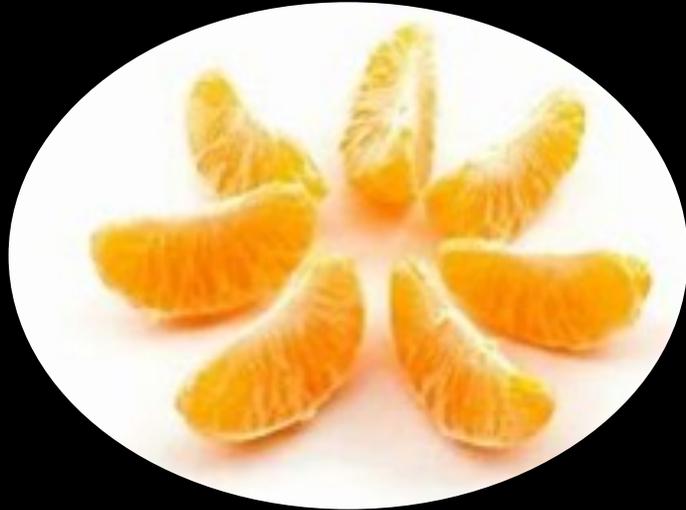
You can glue water dwellers on the mural. You can glue sand, soil, rocks, shells, plants, bubble wrap or cellophane on too!



Yummy  
fish snack!



You can be a fishy chef! How could you use orange segments or rice cakes to make a fish?



What other aquatic snacks can you imagine?

Tap water?



Blue jello for the water and goldfish?



# You can make a mini-book!

- Fold the paper in half
- Then in half again.

