

Name _____

Period _____

Mystery Water

Your Science teacher needs your help! She set up three aquariums in your classroom, one for saltwater fish, one for freshwater fish, and one for fish that live in estuaries (medium salty). The problem is she forgot which tank is which! You need to find a way to figure out which tank has which type of water because your teacher has three fish that need to go in the right tanks.

At your lab table, you have three beakers with different colored water. One color came from each tank. Your job is to figure out which color water came from the saltwater, freshwater, and estuary tank.

Here's a hint, you need to rank the types of water according to density!

1. Number the water from most dense to least dense.

_____ Saltwater

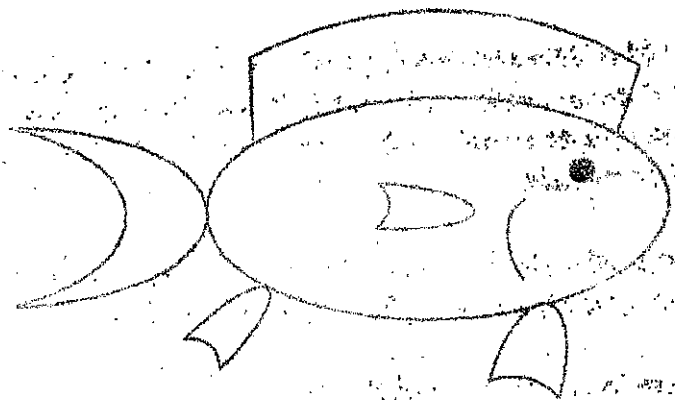
_____ Freshwater

_____ Estuary

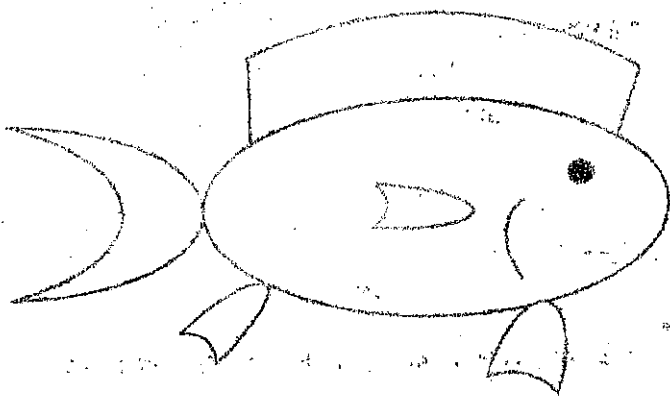
2. If you put all three of these different waters in a graduated cylinder, draw and label how they would stack up.

3. Experiment with the three colors of water until you can get them to stack. Draw how they stacked up.

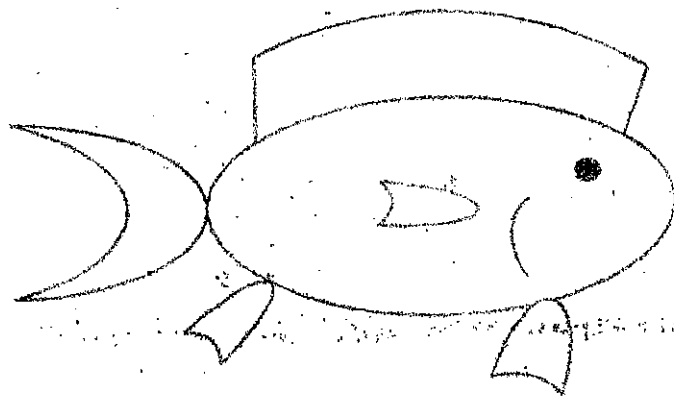
4. Compare your drawings. Now you know which color water is freshwater, saltwater and estuary water.
Color the fish the same color as the water they would swim in.



Nemo: Lives in the ocean.



Marty: Lives in an estuary.



Mitch: Lives in a lake.