

Name: _____

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Mystery Water

Your Science teacher needs your help! He 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 he forgot which tank is which! You need to find a way to figure out which tank has each type of water because your teacher has three fish that need to go in the correct tanks.

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

Here's a hint: you have to rank the types of water according to density!

1. Number the water from most dense (1) to least dense (3).

_____ Saltwater

_____ Freshwater

_____ Estuary

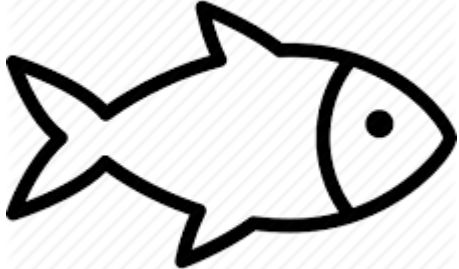
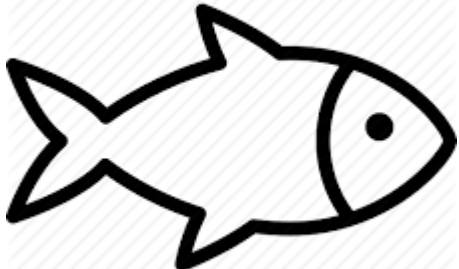

2. If you put all three of these different waters in a graduated cylinder, draw and label how they would stack up.

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

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4. Compare your drawings from questions 2 and 3. Now you know which color water is freshwater, saltwater, and estuary water. Color the fish the same color as the water in which they would swim.

	<p>Nemo: Lives in the ocean.</p>
	<p>Marty: Lives in an estuary.</p>
	<p>Mitch: Lives in a lake.</p>