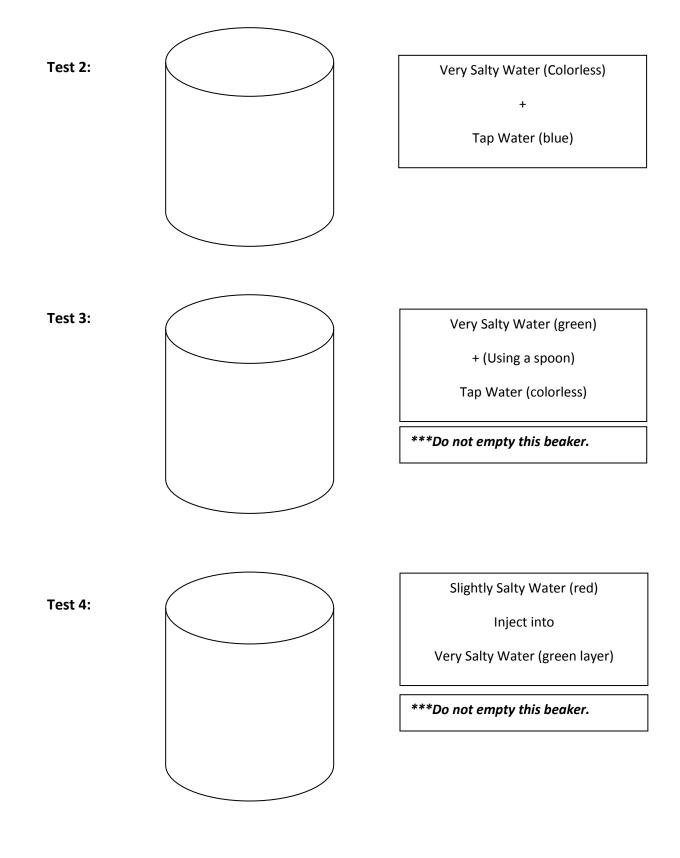
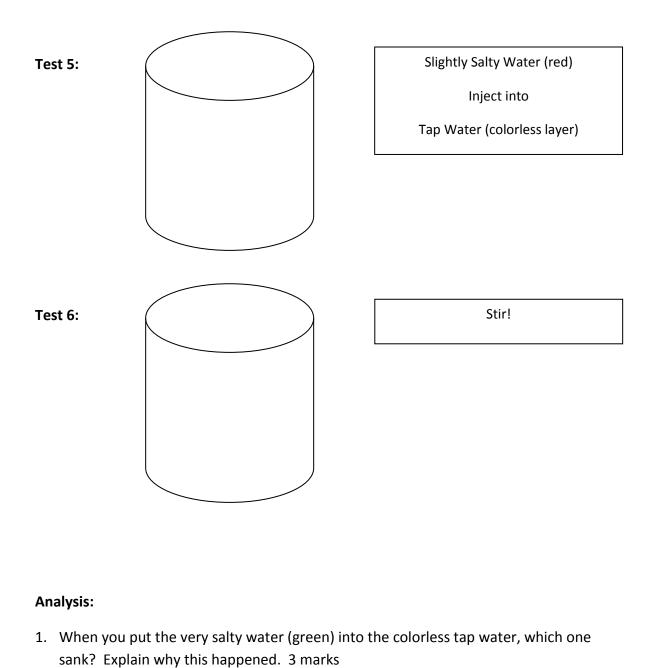
Core Lab Activity pages 18- 19

Activity 1-3A "Salinity's Effect on Water Density"

Name:		Section#:
Question:	How does salinity change the density of wa	ater?
Materials:	250 mL beaker	Medicine dropper
	5 samples of water	Plastic spoon
	 Tap water (colorless) Tap water (blue) Slightly salty water (red) Very salty water (colorless) Very salty water (green) 	Coloring pencils (red, blue & green)
Procedure:	Refer to text. Pg. 18 & 19	
Observation	s: 12 marks	
Test	1:	Tap Water (Colorless) + Very Salty Water (green)





2.	When you put the blue tap water into the very salty water, which one floated on the other? Explain why this happened. 3 marks
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3.	(a) What happened when you added the slightly salty water (red) to the: 2 marks
	(i) Vary salty water (green)layer
	(ii) Colorless tap water layer
	(b) Why did the red water do this? 2 marks
4.	Why did the different types of water not mix by themselves? 2 marks
5.	From this activity, describe what happens when fresh water from a river meets salty
	ocean water. 2 marks

	7. Describe environments on Earth where fresh water would meet salt water. 2 marks
Conclus	sion: 2 marks
	sion: 2 marks oes the amount of salt dissolved in water affect its density? How do waters of different
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