

Name: _____

Don't Be So Dense Answer Key

Date: _____

1.	Use colored pencils to ma illustration provided below	`		•	•
		Saltwater	F	- reshwater	
2.	Predict what visible changes will be observed when the partition is removed between the freshwater and the salt water. The freshwater will flow to the top and saltwater will sink to the bottom.				
3.	With colored pencils, draw illustrations below to represent your mental picture of how the fluids will appear 3 seconds, and then 30 seconds after the partition is removed. Labe the fluids: SALTWATER, FRESHWATER.				
	Freshwater			Freshw	ater
	Saltwater			Saltw	/ater
	3 seconds				30 seconds
4.	Describe what happened. Yes, the freshwater went the bottom. Upwelling of happened. So a less dens	t to the top of the ccurred when t	ie watei he parti	r column and tion was ren	noved so a little mixing
5.	Explain why the fluids changed position. The saltwater has a higher density than the freshwater so it sinks to the bottom of the water column pushing the freshwater to the top. The saltwater with a lower salt				

concentration that was created in the upwelling is denser than freshwater but less

dense then the high salt concentrated saltwater.