5. Describe what occurred when you blew across the surface the first time?

6. Does the zone of mixing become thicker or thinner after blowing across the surface? Why would you expect this?

7. From 2.5 minutes to 9 minutes the zone of mixing should be gradually becoming thicker, although you may not be able to easily observe this. What process is causing this slow mixing?

8. Does the zone of mixing appear thicker or thinner after blowing across the surface the second time (after 9 minutes)?

9. How permanent does stratification caused by differences in salinity appear to be?

COLOR COLOR

Density of Sea Water

red + blue + yellow Food Coloring

[illegible] controlled by salinity and temperature. As seen from the previous two surface phenomena. The isolation of the deep zone can be studied in a multiple-layer system.

Procedure:

1. Obtain an additional partition. With the two partitions divide the

Questions

1. Briefly describe what occurred when the partition was removed.

2. What produced the motion described above?

3. What occurred to the turbid zone when you blew across the surface?

4. What happens to the dense turbid zone with time?