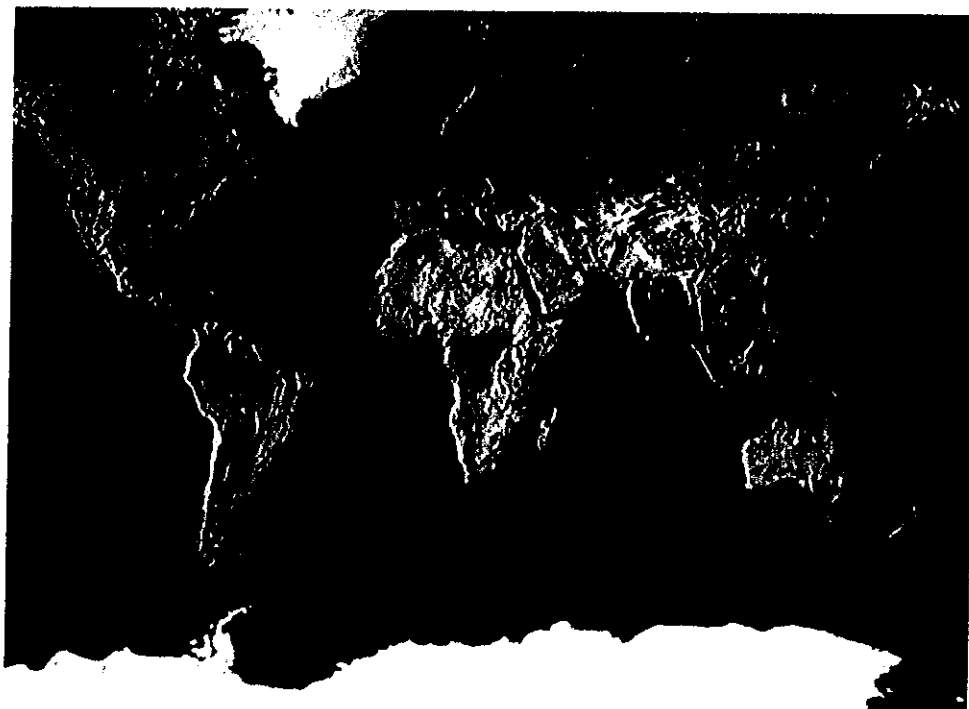
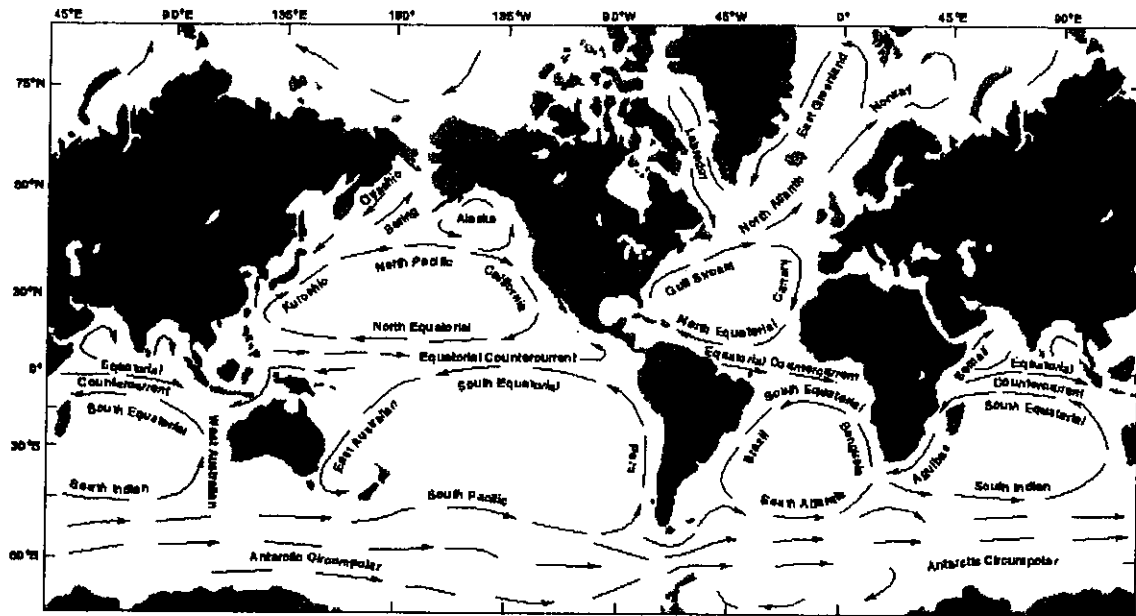


Name _____
Holt, Cold, Fresh, and Salty

Date _____

1. Write your predictions for the hot and cold water test:
2. Did your prediction match the observed results of the test?
3. Describe your results in terms of the density of the solutions.
4. Record your predictions for the salinity water test:
5. Did your prediction match the observed results of the test?
6. Describe your results in terms of the density of the solutions.
7. Plan and execute a simple experiment that attempts to show which of the factors, temperature or salinity, has more of an impact on ocean layering.



Holt, Cold, Fresh, and Salty

1. Write your predictions for the hot and cold water test:

The hot water will be red, The water will sink and the cold water will be blue

2. Did your prediction match the observed results of the test?

YES

3. Describe your results in terms of the density of the solutions.

I saw the blue cold water sink on the bottom, and the red hot water still on top, but at the end both mixed and form purple water.

4. Record your predictions for the salinity water test:

I think the red is more denser so is going to sink and the blue on top

5. Did your prediction match the observed results of the test?

YES it matched

6. Describe your results in terms of the density of the solutions.

Well the denser water sink and the less dense, set on top

7. Plan and execute a simple experiment that attempts to show which of the factors,

temperature or salinity, has more of an impact on ocean layering.

Top - Red
2 - green
Center - yellow
bottom - blue

- The Salinity will have more impact
- warm salty
- cold less salinity

8 blue
12 red

Holt, Cold, Fresh, and Salty

1. Write your predictions for the hot and cold water test:

I think ^{the salt} ~~they~~ might mix together, but then ~~the colors will separate~~ ^{the colors will separate.}

2. Did your prediction match the observed results of the test?

No

3. Describe your results in terms of the density of the solutions.

The hot water was on the top when the cold water was on the bottom, because warm rises and cold sinks. They also began to change purple as they began to mix together.

4. Record your predictions for the salinity water test:

Blue will float

Red will sink

Blue will be over red

5. Did your prediction match the observed results of the test?

Yes

6. Describe your results in terms of the density of the solutions.

The blue was on the top while the red was on the bottom.

7. Plan and execute a simple experiment that attempts to show which of the factors,

temperature or salinity, has more of an impact on ocean layering.

red
green
yellow
blue

I think we should make both salinity the same and then test the hot and cold water.