

Ocean Layering: Density, Temperature, Salinity, and Circulation

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Supply List

Day 1:

Handout: density lab worksheet

Handout: fill in notes

Density column materials:

500 mL graduated cylinder or other tall skinny container

Five 100 mL or larger beakers or cups

Corn syrup

Dish soap

Rubbing alcohol

Vegetable oil

Baby oil

Food coloring

Water

Density lab: EACH group will need:

2 beakers or containers, 400mL or larger

Spoon

Salt, ~3Tbsp

2-3 objects found in the classroom

1.5 Straws

1 Rubber band or string

2 metal paper clips

← These need to be pre-made into two objects.

← See '01t.activity.densitylab'

← (<http://earthref.org/cgi-bin/erda.cgi?n=1002>)

Day 2:

Handout: Atlantic sections

Handout: fill in notes (same handout from day 1)

Stirring and mixing activity:

Clay or dough

Food coloring

Plastic knives

Day 3:

Handout: North Pacific sections figures

Handout: North Pacific sections questions

Day 4:

Handout: quiz