



## Earth Science Activity Supply List

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### Family Tree

Blank piece of paper  
A pen or pencil, or markers

### Observation and Interpretation

A random object from around the house

### World Map

Blank piece of paper  
Colored pencils or markers

### Earth Model

Playdough or clay (blue, green, brown, yellow and/or red)  
A knife  
4 toothpicks  
4 small pieces of paper  
A pen or pencil  
Tape (optional)

### Rock Chart

Blank piece of paper  
Colored pencils or markers  
Tape or glue  
A picture of a sedimentary rock, an igneous rock and a metamorphic rock (each about 3" x 3")

### Model Glacier

A container to freeze water in (should hold at least 4 cups but bigger is better)  
Water  
Dirt, rocks, pebbles, flowers

### Pyroclastic Material Display

An empty shoe box or a plastic container the size of a shoe box (with a clear lid)  
Colored pencils or markers  
Playdough  
Light-colored pieces of paper  
Cheese grater  
Glue  
Plastic wrap (not needed if using a plastic container)  
Scissors

### Baking Soda and Vinegar Volcano

9 x 13 baking pan  
Plastic cup  
3/8 cup of vinegar  
Baking soda  
Tablespoon  
Water  
Clay  
Red food coloring

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## **Making Fossils**

Several pie tins or other disposable  
baking tins  
Plaster of Paris mix  
Playdough or modeling clay  
Petroleum jelly  
Water  
3-4 objects to fossilize (small plastic  
toys, shells or chicken bones, etc.;  
things you don't mind throwing away)  
Permanent marker  
Small paintbrush

## **Using Latitude and Longitude**

A paper map or globe with latitude and  
longitude lines

## **Salt Concentration**

Two large mixing bowls  
1 gallon of water (tap water is OK, but  
bottled spring water is best)  
Measuring spoons and cups (1/4 and 1  
cup, 1/4 and 1 teaspoon)  
Salt

## **Ocean Basin Model**

Basic ~1 gallon aquarium with a flat  
back (can also use a clear-sided plastic  
bin of a similar size)  
Blank piece of paper  
Colored pencils or markers  
Tape  
Objects you can put in water (Legos,  
small rocks, plastic figurines, etc.)  
3 x 5 notecards (optional)  
A pen or pencil  
Permanent marker  
Blue cellophane or plastic wrap  
Black piece of paper  
White address labels

## **Experiments in Dissolving**

A small glass bowl or cup  
Warm water  
Table salt  
Pepper  
Tablespoon  
Effervescent tablet (optional)

## **How Wind Forms Currents**

A small, portable fan or hairdryer  
A casserole dish  
A flakey or circle-y variety of cereal (any  
kind of cereal that will float)  
Water

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## **Behavior of Cold, Dense Water**

Food coloring  
A large glass bowl (deeper is better  
than wider)  
Two measuring cups (1 cup minimum)  
Water  
Salt  
A spoon

## **Drawing a Drainage Basin**

Blank piece of paper  
Anything to color with; crayons, pencils,  
paint, etc.

## **Atmospheric Pressure**

A glass cup or mason jar  
A casserole dish (or a sink/bathtub)  
A cereal box or a plastic disposable  
plate  
Scissors (if using a cereal box)  
Water

## **Condensation**

A cup, bottle or can