

Introduction

Earthquakes are related to plate tectonic movement. **Normal faults** form when two tectonic plates are pulling apart. **Reverse faults** occur when two crustal plates collide. **Thrust faults** are reverse faults at a low angle and often slip over another section of land. **Strike-slip faults** occur when plates are moving past one another horizontally.

Old Chinese Proverb

I hear, and I forget

I see, and I remember

I do, and I understand

This book is dedicated to children everywhere who love to do science activities.

Each activity contains the following:

- ◆ The **Introduction** is a brief statement about the activity and other information.
- ◆ **Pictures** are designed to increase your understanding of how to do the activity.
- ◆ **Materials** in each activity are often found around the home. Often recycled materials can be used for the activities also.
- ◆ **Directions** are written in a clear easy-to-understand format.
- ◆ **More science activity ideas** provides other ideas that you might like to try after doing the activity.
- ◆ **Science behind the activity** at the end of the activity. This information explains science principles or current science research related to the activity.

Mantle Rocks Flow & Break

Activity 2

Introduction

In this activity you will create “mantle rocks” that break apart and can flow like a liquid. Your mantle rocks act like the real rocks in the upper mantle.



Mantle rocks breaking apart like a solid

Materials

- ◆ Large spoon
- ◆ White school glue
- ◆ Liquid starch
- ◆ Food coloring (optional)
- ◆ Fork
- ◆ Bowl

Directions

1. Pour 2 spoons of white school glue into a bowl.
2. Pour 1 spoon of liquid starch into the bowl.

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