

## Formative Assessment #2

**Concept(s)** Convection currents in the mantle cause movements of the upper level of the mantle and the lower level of the crust. Cooler, more dense material sinks and warmer, less dense material is pushed up causing the crust to move.

**Addressed**

**Time** 20 minutes

**Materials** Individual

Prompt

**Advance**

**preparation** 1. Duplicate prompt for each student

**Procedure:**

1. Tell students they will have an opportunity to share what they understand about convection currents in the Earth.
2. Distribute the prompt to each student and ask him/her to do his/her best work.

Name\_\_\_\_\_

## Grade Six: Plate Tectonics

### *Formative Assessment #2*

Directions: Using the terms in the word bank, answer the following questions. Be sure to use complete sentences.

convection currents	Mantle	Crust
heat	less dense	movement

1. Write a short summary describing convection currents in the earth using the terms in the word bank above.

Name\_\_\_\_\_

## Formative Assessment #2

### Expected Student Responses for a High Level Response

Directions: Using the terms in the word bank, answer the following questions. Be sure to use complete sentences.

convection currents	Mantle	Crust
heat	less dense	movement

1. Write a short summary describing convection currents in the earth using the terms in the word bank above. Draw a picture of the convection current.

Sample:

*The mantle includes molten material of more dense material and less dense material. Convection currents occur when warmer less dense material comes in contact with cooler more dense material. The cooler more dense material in the mantle moves down and pushes the warmer less dense material upwards. This movement happens under the crust and causes the crust to move.*

*Picture shows more dense material moving down and warmer less dense material moving upward.*