#1 Convection in the Mantle

Objectives

After completing the lesson, I will be able to:

- (1) explain how heat is transferred;
- (2) identify what causes convection currents.
- (3) what causes convection currents in Earth’s mantle.
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Key Terms (A)

- (1) radiation-
- (2) conduction-
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Key Terms (B)

(3) convection-

(4) density-

(5) convection current-
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Checkpoint (A)

(1) What is conduction?
(2) What is the role of gravity in creating convection currents?
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Review (A)

(1a.) What are the three types of heat transfer?

(1b.) Write a brief description of each.
(2) How is heat transferred through space?
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Review (C)

(3) What is a convection current?
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Review (D)

(4) How does the density of most substances change when the substance is heated?
Q) Compare and contrast the three different types of heat transfer.

“Answer in complete sentences.”