



Name: \_\_\_\_\_ #: \_\_\_\_\_

Date: \_\_\_\_\_ Section: \_\_\_\_\_ HR: \_\_\_\_\_

**Science Question of the Day: November 23<sup>rd</sup> – November 27<sup>th</sup>**

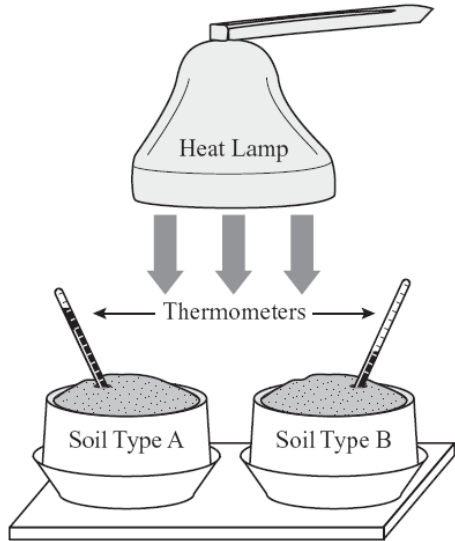
**2009, Science and Technology/Engineering - Grade 8**

**Question 6: Multiple-Choice**

*Reporting Category: Earth and Space Science*

*Standard: Heat Transfer in the Earth System - 3*

The diagram below represents an experiment on different types of soil.



**Monday**

The thermometers are measuring the temperature of the center of the soil samples. Which of the following is a cause of the measured difference in the temperature of the two soils?

- A. conduction within different soil types
- B. condensation within different soil types
- C. radiation emitted by different soil types
- D. convection in the air above different soil types

**Thinking Critically – Predicting**

What will happen to the flow of hot rock in Earth’s mantle if the planet’s core eventually cools down? Explain your answer.

**Tuesday**

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**\* There are no classes on Wednesday due to an assembly. No School on Thursday and Friday, Thanksgiving break.**