

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

Date: \_\_\_\_\_

Lesson 12: Handout 4

**Explaining Convection in the Air Outside**

**1A)** A group of scientists measures the temperature of the ground and the air above that surface at three locations. Which location would you expect to have the strongest updrafts?

- a. an area where the surface temperature is much greater than the air above it
- b. an area where the surface temperature is slightly higher than the air above it
- c. and area where the surface temperature is the same as the air above it

**1B)** Why would this location have the strongest updrafts? What evidence do you have from the investigations your class conducted to support the claim you chose?

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**2A)** Which location would you expect to have the strongest updrafts?

- a. a small amount of land that is 20 degrees warmer than the air above it
- b. a large amount of land that is also 20 degrees warmer than the air above it.

**2B)** Why would this location have the strongest updrafts? What evidence do you have from the investigations your class conducted to support the claim you chose?

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