

# Convection

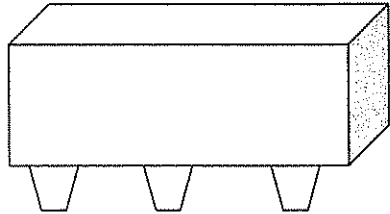
Name \_\_\_\_\_ Date \_\_\_\_/\_\_\_\_/\_\_\_\_ Period \_\_\_\_

Use color to highlight your drawings. Be sure to use complete sentences to answer all questions.

Part 1:

1. Convection I: Draw, label and explain the experiment.

[http://www.teachertube.com/view\\_video.php?viewkey=440583f48f02159b233e](http://www.teachertube.com/view_video.php?viewkey=440583f48f02159b233e)

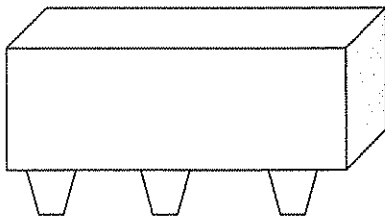


2. What type of pressure is created when warm air rises?

✶ Examples:

3. Convection II: Draw, label and explain the experiment.

[http://www.teachertube.com/view\\_video.php?viewkey=b38b3558bd127ad5c669](http://www.teachertube.com/view_video.php?viewkey=b38b3558bd127ad5c669)

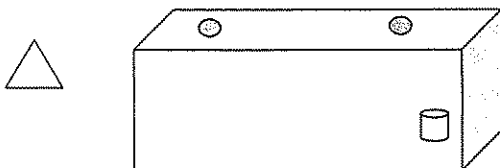


4. What type of pressure is created when cold air sinks?

✶ Examples:

5. Which has more force, cold air or warm air? Explain.

6. Convection III: Draw, label and explain the experiment.



7. Compare and contrast the smoke convection chamber to the lava lamp.

8. Using your understanding of convection and the uneven heating of Earth's surfaces, predict the direction of the winds in Muskegon, Michigan, during the day and the night. Use the back!!!

<http://wwp.greenwichmeantime.com/images/usa/michigan.jp>