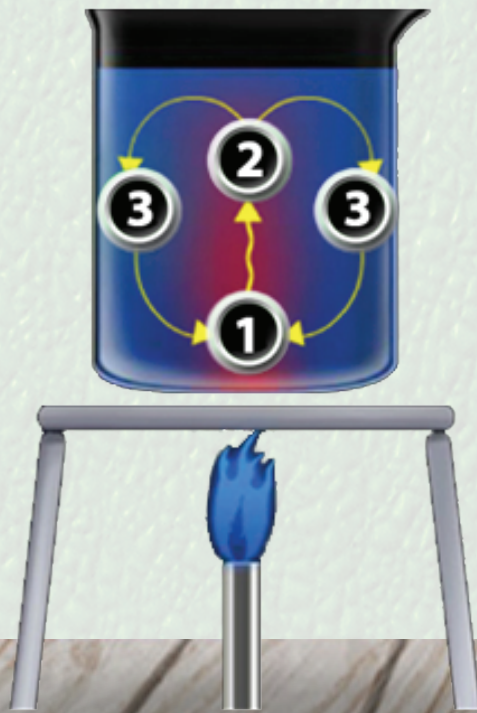


HOW CONVECTION WORKS

Convection requires the movement of particles in the medium. When heat is applied to a fluid such as a liquid or gas, hot fluid rises and cold fluid sinks, creating a convection current.



1

When a fluid is heated, its particles vibrate and move further from each other. Therefore, the heated region expands and becomes less dense than the surrounding fluid.

2

The expansion causes less dense heated fluid to rise.

3

When a fluid is heated, its particles vibrate and move further from each other. Therefore, the heated region expands and becomes less dense than the surrounding fluid.



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Type of Resource:

This reference may be printed and passed out to elementary and middle school students to educate them about convection.

The actual courseware/source of this activity is Transmission of Heat, one among over 25 best-selling offline interactive educational science e-learning coursewares called Science Werkz which won the 2013 EDDIE Award for Science E-Learning Solutions in the Upper Elementary and Middle School Categories.

How to use this Resource:

We highly suggest that you use this resource if you are a teacher who wants to let your students know more about how convection works in creating a convection current.

Start by asking the students what causes convection current. You can then print this reference for students to read, review and absorb.



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More Details about the Resource:

Science Werkz is a line of award-winning offline interactive educational science solutions that may be accessed on the phones, tablets, or computers of its users.

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Winner of the 2013 EDDIE Award for Science E-Learning Solutions in the Upper Elementary and Middle School categories, the subscription-based science e-learning coursewares may be used by educators for classroom learning or by parents and students for self-paced learning at home.

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