

QUESTION 1

Conduction can take place generally in.

- Solid Liquid Gases All of the above

QUESTION 2

Why are metals usually better conductors than non-metals?

- The particles in solids can move about within them The particles in solids are more tightly bound together.
- Because they have electrons in them that carry the energy from one vibrating atom to the another. The particles in solids are far apart.

QUESTION 3

Which of the following is NOT a factor affecting the rate of heat transfer from a hot region to a cold region by conduction?

- High temperature of hot region. Distance between hot and cold regions.
- Cross-section surface area heated. Temperature of the surrounding air.



Type of Resource:

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

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 different states of matter and objects can conduct heat and how fast heat can transfer from them.

Start by asking them how they heat up food they are about to eat. Proceed to discuss conduction. You can then print this quiz to ask the students to answer and see how much they have learned.



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Answer Key:

1. All of the above
2. Because they have electrons in them that carry the energy from one vibrating atom to the another.
3. Temperature of the surrounding air.

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. Consisting of more than 25 best-selling titles that feature informative videos, animated drawings that support learning, checkpoints, main points, concept map, diagrams, summary questions and interactives to encourage critical-thinking, among the key topics included in Science Werkz are General Science, Chemistry, Earth Science, Life Science/Biology, and Physical Science.

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 courseware may be used by educators for classroom learning or by parents and students for self-paced learning at home.

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