JEOPARDY

Mrs. Keller's
Chapter 4
6th Grade Science

THE RULES

- Competing teams will be selected.
- Everyone will actively participate.
- Each team will decide on a “batting order”.
- No penalties for wrong answers, so try.
- Each team will be rewarded with points.
- Be positive, encourage your teammates.
- Mrs. Keller is the Judge, all decisions are final.

Jeopardy Round Categories are:

Atoms and Molecules

Heat and Atoms

Heat

Transfer of Heat Part 1

Transfer of Heat Part 2

Jeopardy

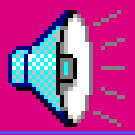
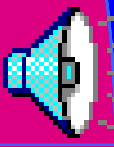
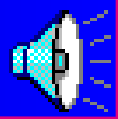
Atoms and Molecules	Heat and Atoms	Heat	Transfer of Heat Part 1	Transfer of Heat Part 2
200	200	200	200	200
400	400	400	400	400
600	600	600	600	600
800	800	800	800	800
1000	1000	1000	1000	1000

End of Round

$200

- All matter consists of tiny particles known as?

- What are atoms?

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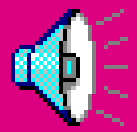
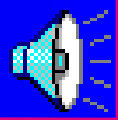
- Most matter consists of atoms that are grouped together to form?

- What are molecules?

$600

- Faster atoms have more _____ than slower atoms.
- What is?

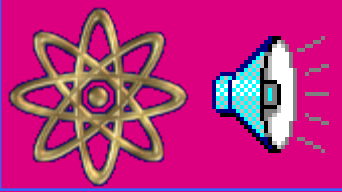





$800

- The atoms in Rachel's fingers begin to move faster. This is because Rachel is touching:

- What is a hot object?



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- As the atoms that make up air increase speed and gain energy, they tend to:

- What is rise together?

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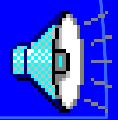
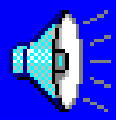
- Heat is caused by:

- What is the motion of atoms?



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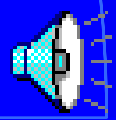
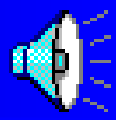
- When the atoms of an object speed up, the object heats up. This requires:
- What is energy to be added to the object?



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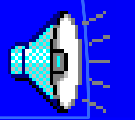
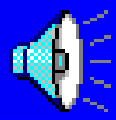
- The average speed of the atoms in an ice cream cone are slow. This describes:
- What is it's temperature?

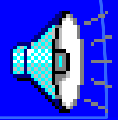
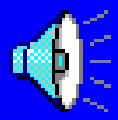


$800

- What happens to atoms when they give up energy in the form of heat?
- What is their speed decreases?



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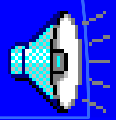
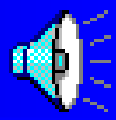
- What changes occur to an object when its atoms give up energy in the form of heat?
- What is their speed decreases?



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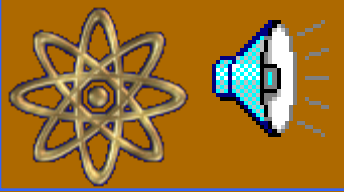
- At each stage in the process of making electricity at a power plant, some energy is lost as:

- What is heat?



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- Electric power plants can use the following as fuel (list all 3)?

- What are coal, gas, and oil?

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- Luis is ill and has a fever. As his body temperature rises from 98.6 F to 99.2 F, the average speed of the atoms in his body:
- What is increases?

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- Heat will move from warm to _____.

- What is cold?

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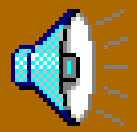
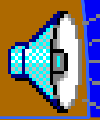
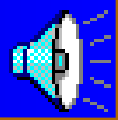
- From where does much of Earth's internal heat energy come from?
- What is the Earth's core?

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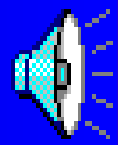
- Energy from the sun reaches the surface of Earth by:

- What is radiation?



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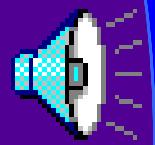
- The key characteristic of heat transfer by conduction is that heat is transferred from the _____ _____ of atoms.
- What is direct contact?



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- Radiation causes heat energy to be transferred without the _____ or _____.
- What is movement or direct contact?

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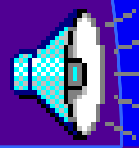
- In order to produce heat through radiation, an atom must absorb energy from a source such as:
- What is the sun, fire, or light bulb?



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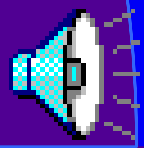
- Which method of heat transfer is this an example of? *“The ocean water feels cool on the students’ bare feet.”*
- What is conduction?



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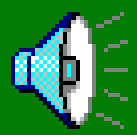
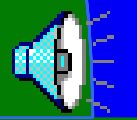
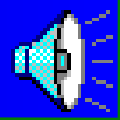
- The heat released by a radiator and transferred through the air by convection will mainly cause the room's ceiling to get _____?
- What is warm?







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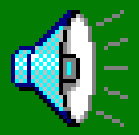
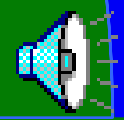
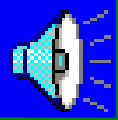
- Dana touches a hot pan handle and almost burns herself. Heat was transferred to the atoms in her hand by:
- What is conduction?







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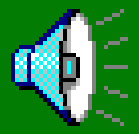
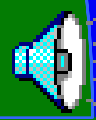
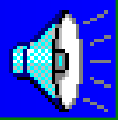
- Convection involves the movement of heat energy in _____ and _____.
- What are gases and liquids?

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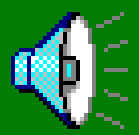
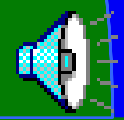
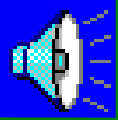
- Which method of heat transfer is this an example of? *"A cool breeze blows off the water at the beach."*
- What is convection?

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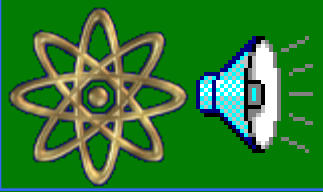
- Which method of heat transfer is this an example of?
  "A hawk soars high above the air currents."

- What is convection?



Thank You for Playing Jeopardy