Heat and Energy Test Review Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Period \_\_\_\_\_



A

B

What is the temperature at point A? \_\_\_\_\_\_\_\_\_

What is the temperature at point B? \_\_\_\_\_\_\_\_\_

What is happening to the arrangement of particles as the temperature increases?

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What is happening to the speed of the particles as energy is taken away?

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Define conductor and give three examples of conductors.

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Define insulator and give three examples of insulators.

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Explain how the lava lamp works; be sure to include the word density.

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What is a solution? Give an example of a solution.

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How can you make a solute dissolve faster in a solvent?

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What is the freezing point of water? \_\_\_\_\_\_\_\_\_\_

What is the boiling point of water? \_\_\_\_\_\_\_\_\_

Can solid ice and liquid water exist at the same temperature? Why?

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Define the following terms on a separate piece of lined paper, whenever possible give as many examples as you can.

* matter
* heat
* temperature
* conduction
* convection
* radiation
* thermal energy
* expand
* contract