

Name: _____

Year: _____

Date: _____

Unit 1: Heat Energy.

1. Figure 1 shows Thumbtacks A, B and C attached to a metal rod by wax. The end of the rod were labeled as X and Y.

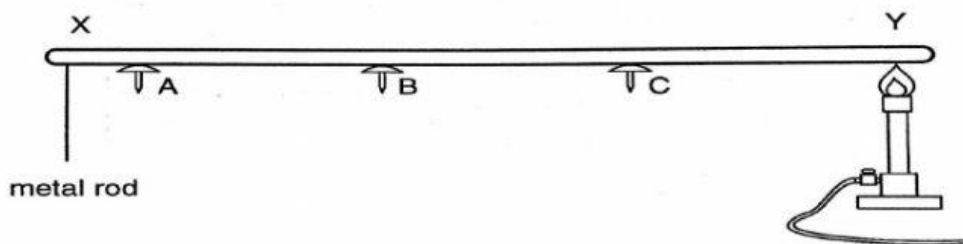


Figure 1

Why did thumbtacks at A fall last from the metal rod?

- A. Heat stays at Y
- B. Heat stays at X
- C. Heat travels from X to Y
- D. Heat travels from Y to X

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2. Rosie boiled some water using a metal pot as shown in Figure 2.

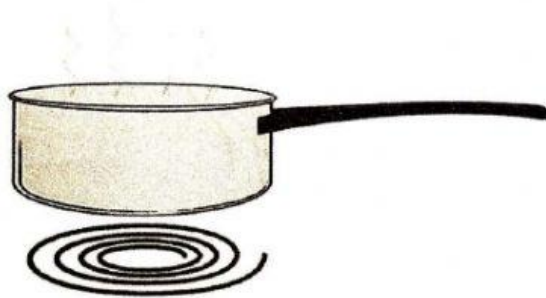


Figure 2

Why do you think she is able to hold the pot of hot water by the handle?

- A. Because the handle is a good conductor of heat.
- B. Because the handle is a poor conductor of heat.
- C. Because the handle is a flexible material.
- D. Because the handle is a hard material.

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3. **Figure 3** shows three rods made of different materials (metal, wood and glass). Stella poured hot water in a beaker and placed all the three rods in it. After 3 minutes, she touched the top end of each rod with their fingers.

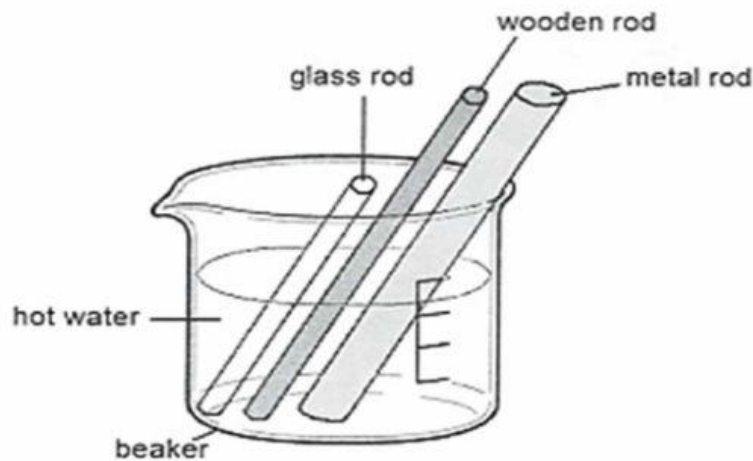


Figure 3

- a) What is Stella trying to find out from this experiment in **Figure 3**?

- b) Which of the rods in **Figure 3** will allow heat to pass through easily?

- c) Stella's experiment is not a fair test. List 2 things that she has to keep the same to have correct and fair results.
- i) _____
- ii) _____
- d) Which of the rods in **Figure 3** will conduct electricity?

[7 marks]