

## Heat Homework 1

1. Write a sentence that explains what **heat** is. (1)

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2. Write a sentence that explains what **temperature** is. (1)

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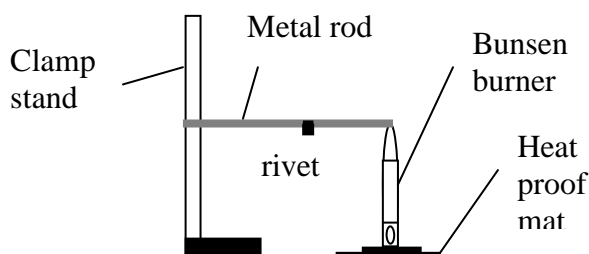
3. Write a sentence that explains what conduction is. In your answer you must use the words **heat**, **vibrate** and **particles**. (2)

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4. Two pupils carried out an experiment to find out which of three metals conducted heat the best. A rivet was attached to each rod using Vaseline. The 3 rods were iron, bronze and titanium.

The apparatus was set up in the following way.



Once the rods were placed into the flame, it took 30 seconds for the rivet to fall off the brass rod, 45 seconds for the steel rod and 50 s for the titanium rod.

- (a) On the back of this sheet draw a table of these results. (2)
- (b) Underneath the table, draw a bar graph of the results. (2)
- (c) Underneath the graph, write down **two** ways to keep this experiment fair. (1)
- (d) Finally write down a conclusion for this experiment. (1)