

Heat
Homework 2

1. What is an insulator? (1)

2. On the back of this sheet, draw a table that correctly shows whether each of the following materials are conductors or insulators. (2)

Plastic	Steel	Water	Brass	Air
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3. On the back of this sheet, draw a labelled diagram of an experiment that could be done to determine whether water is a conductor or an insulator.

Underneath the diagram **explain** how you reached a conclusion in the experiment. (3)

4. From the following list of everyday objects, pick two that are conductors and **explain** why they are made of conducting material. (2)

Wooden pot handle	Base of pot	Place mat
Surface of a radiator	Fleece	Cake tin

5. From the same list above, choose two objects that are insulators and **explain** why they are made of insulating material.

(2)