

Name:

Class:

Date:

Keeping Cosy Worksheet 1

Thermal conductors and insulators

Good thermal conductors are materials like metal which allow heat to pass through them easily. Good thermal insulators such as wool do not transfer heat well.

1. Sort these objects into the two groups below:

scarf, copper wire, glass, polystyrene cup, vacuum flask, aluminium pan.

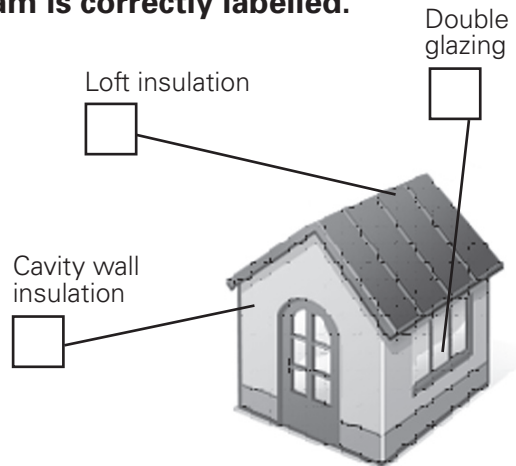
Thermal insulators	Thermal conductors

2. Insulation is used to stop heat escaping from houses as shown. Write the correct letter in each box so that the diagram is correctly labelled.

A layer of air trapped between two sheets of glass - **A**

Foam containing air bubbles pumped in the gap between bricks - **B**

A thick layer of mineral wool laid above upper ceilings - **C**



3. Give five examples of materials which are good thermal insulators.

4. Draw three items of winter clothing which provide good thermal insulation.