

Homework 26d Conduction

1. Copy and complete the table started below by listing examples of good heat conductors and insulators.

Good heat conductors	Poor heat conductors (insulators)

2. Give an example of an animal or bird which has natural insulation. Describe the sort of insulation it has and why it is important.
3. Air is a good insulator. Give two examples where trapped air is used for insulation.
4. Make a list of examples of insulation being used in peoples homes.
5. A metal bar is heated at on end. Explain by describing the behaviour of the atoms how heat (thermal) energy is conducted along the bar.
6. A double-glazed window has two sheets of glass, with air between. Plan an investigation using a test tube inside a larger one to find out if double-glazing really improves insulation.