Answers

Aim	The aim of this experiment was to discover which objects from a given set were conductors of heat and which were insulators.
Hypothesis	I predict that the cardboard and metal foil will be good insulators of heat and will keep the water hot. I think that the metal foil will be a good conductor of heat and will allow the water to cool faster.
Equipment	1. Beaker 2. Hot water (70°) 3. Thermometer 4. Cardboard 5. Metal foil 6. Polystyrene 7. Stop watch
Method	First, we heated the water and poured it into the beaker. Next, we recorded the temperature and saw how much it had decreased in three minutes. After this, we reheated the water, surrounded the beaker with one of the items and recorded how much the temperature of the water had dropped after three minutes. Once we had done this, we repeated the process for the other two items.
Results	The metal foil was a good conductor of heat and allowed it to leave the water quickly. Cardboard was more of an insulator than the metal foil, but the polystyrene was the best insulator, as it let the least heat out after three minutes.