# WORKSHEET 4 - HEAT

1. Decide if the following materials are insulators or conductors. Write C for conductors or I for insulators.

| | | | |
|---|---|---|---|
| Iron | | Copper | |
| Wood | | Aluminium | |
| Silver | | Plastic | |
| Gold | | Wool | |
| Feathers | | Metal | |
| Paper | | Cork | |

2. Which effect of thermal energy is shown in each photo? Press and drag.

| melting | evaporation | expansion |
|---|---|---|
|  |  |  |
| | | |

3. Decide which effect of thermal energy is taking place in each situation.

| a) Snow changes to water | b) drying your T-shirt in the Sun |
|---|---|
| | |

4. Match the statements below.

| | |
|---|---|
| When an object cools down, ... | ... prevent the transfer or loss of heat. |
| Thermal conductors are materials ... | ... we increase their thermal energy. |
| We can use thermal insulators to ... | ... that transfer heat very efficiently. |
| Liquids can change to gases if ... | ... on warm days than on cool days. |
| Metal cooking pots have often ... | ... got wooden or plastic handles. |
| Evaporation occurs more quickly ... | ... that means it is losing thermal energy. |