

# ENERGY, HEAT AND LIGHT

## Part 1

### 1. WHAT IS THE HEAT SOURCE?

COAL

ELECTRICITY

NATURAL GAS

THE SUN



### 2. LISTEN AND COMPLETE THE TEXT ABOUT TEMPERATURE.



Celsius

Farenheit

temperature

thermometer

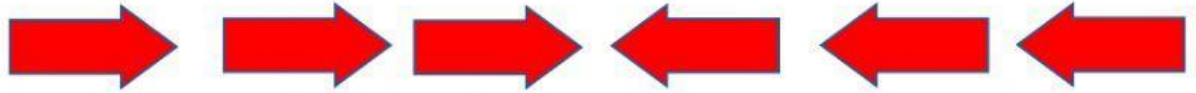
We measure \_\_\_\_\_, or how hot or cold something is, with a \_\_\_\_\_. Most countries measure temperature in degrees \_\_\_\_\_(C°). Some countries measure temperature in degrees \_\_\_\_\_(F°).

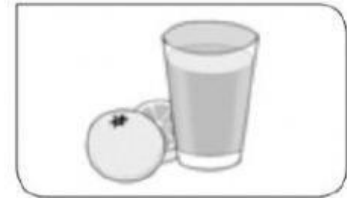
### 3. Read about heat and choose the correct answer.

- A. Heat is the transfer of **chemical / thermal** energy from one object to another.
- B. Thermal energy usually travels from an object with **lower /higher** temperature to an object with **lower / higher** temperature.
- C. Thermal **conductors / insulators** transmit heat very well.
- D. **Metals / Plastics** are good conductors.
- E. Thermal insulators **transmit / do not transmit** heat well.

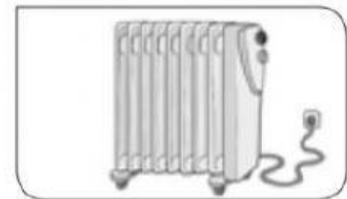
F. Plastics, wood and air are **conductors** / **insulators**.

4. How does heat transfer from one object to another? Place the arrows to show how heat flows. (Use only 3 arrows)









5. Classify the material as **conductor** or **insulator**.

iron    glass    plastics    gold    wood    water    ceramics    aluminium

CONDUCTORS	INSULATORS

**6. Choose the correct answer.**

**A. When a rail heats up, it expands.**

**B. When we heat solid ice, it melts and becomes liquid water.**

**C. When we heat water up, its temperature rises.**