

HEAT

Complete the following statement using the words: *mercury, contract, lower, radiators, energy, conductors, boiling, capacity, temperature, expand, reflectors, unit, convection*.

ACROSS

- On the Celsius scale, the _____ fixed point is the melting point of pure ice and is defined as 0 °C.
- The highest fixed point on the Celsius scale is the _____ point of pure water and is defined as 100 °C.
- When objects are heated, they grow bigger. We say that they _____.
- When objects cool down, they get smaller. We say that they _____.
- The *specific heat* _____ of a substance is the amount of energy (in joules) that is needed to raise the temperature of 1 kg of the substance by 1 °C.
- Shiny bright surfaces are poor radiators and poor absorbers. They are good _____.

DOWN

- If a substance is heated, its particles have more _____ and move faster.
- Thermometers are used to measure _____.
- _____ or alcohol are the two liquids commonly used in a thermometer.
- The _____ for the *specific heat capacity* (c) of a substance J/kg °C.
- All metals are good _____.
- _____ is heat transfer when a hot liquid or gas expand and rise, carrying the heat along.
- Dull black surfaces are good _____ and good absorbers of heat.

