

Hot or Cold

Note-taking Guide - Answer Key

*Fahrenheit, temperatures, rises, expands, mercury, thermometer,
Celsius, physical, difference, alcohol*

When something is hot or cold, it is said to be at two different temperatures.

Temperature is a physical property of matter.

A thermometer is a tool that's used to measure temperature. It shows how hot or cold an object is.

A thermometer measures temperature in degree Celsius or degree Fahrenheit.

Thermometers contain a liquid, usually mercury or colored alcohol.

When the thermometer is put in hot water, the liquid in the bulb absorbs heat and expands.

The liquid level rises and tells us the temperature, which in this case is 90 degrees Celsius or 194 degrees Fahrenheit.

Similarly, we can measure the temperature of cold water, which in this case is four degrees Celsius.

We can then find out the difference in temperature between the two. In this case the difference is 86 degrees Celsius.