

For release
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Heat and temperature! About 200 years ago Joseph Black, a Scottish physician and physicist, made the discovery that if a certain amount of heat was applied to two different substances, as one pound of water and one pound of copper, the temperatures of each would be raised different amounts. Therefore, there is a very clear distinction between the amount of heat a body contains and its temperature. Thus, one pound of water at 32 degrees contains about ten times as much heat as one pound of copper at the same temperature. Air also is very much more easily heated than water, taking only one three-hundredths as much heat to raise it one degree as the same weight of water.

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WEATHER BUREAU