

Some Concepts Related to Temperature Change

No equations will be used for (1) and (2) but we will be exploring (3) quantitatively.

1. Any object absorbing (discussed in class) radiation, will gain internal energy.
2. Any object left to itself will emit electromagnetic radiation at the "expense" (discussed in class) of its own internal energy.
3. The actual temperature change experienced by an object can be understood on the basis of the inputs (factor (1) above) and outputs (factor (2) above). This is known as the ENERGY BUDGET approach.