

In a heat budget equation, what is a *source* of heat for an object?

A. Another object that supplies heat to the object of interest.

B. * A mechanism by which the object gains heat.

C. The sun.

D. Emission of radiative energy.

* Correct answer.

What quantity has units of
Watts/m²?

- A. Energy
- B. Rate of energy transfer or gain or loss.
- C. Power
- D. * Energy flux

* Correct answer. Watts are a unit of power, the rate at which energy changes or is transferred. Joules are a unit of energy.

What quantities does the Stefan-Boltzman Law relate to each other?

- A. Energy and temperature
- B. Rate of energy emission and absolute temperature
- C. * Radiative emission flux and absolute temperature
- D. Temperature and radiative absorption rate

* Correct answer.