

(1) 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.

(2) What quantity has units of Watts/m^2 ?

A. Energy

B. Rate of energy transfer or gain or loss.

C. Power

D. Energy flux

(3) 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