

Gruppo di Ricerca in Didattica della Fisica

La fisica dell'effetto serra e il riscaldamento globale



STAGE 2014

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Un oggetto (ad esempio un disco di metallo) è posto sotto una lampada....
Accendiamo la lampada. Cosa accade alla temperatura dell'oggetto? Perché?



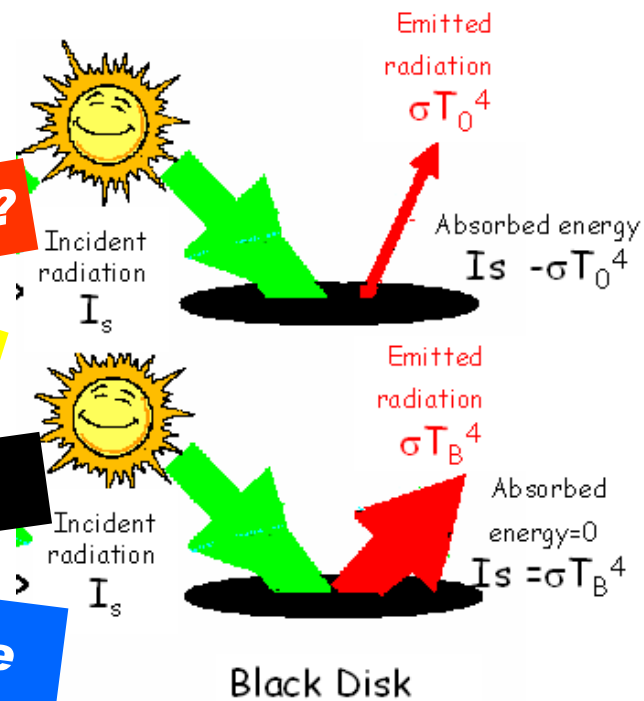
stazionarietà

Calore?

Radiazione

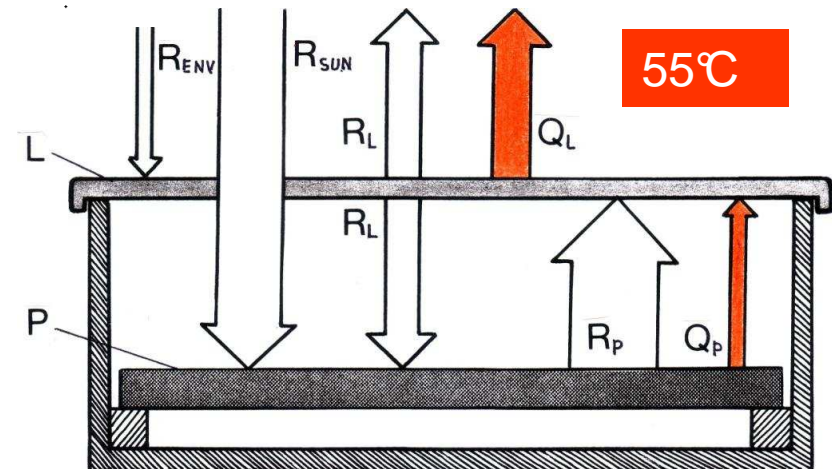
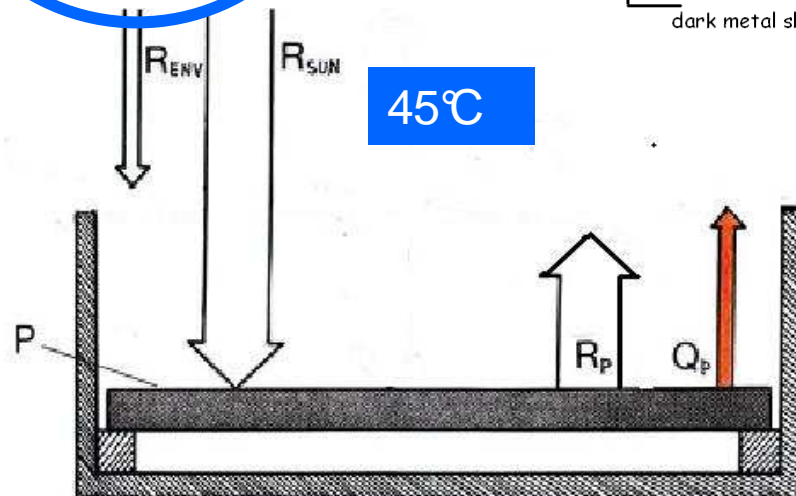
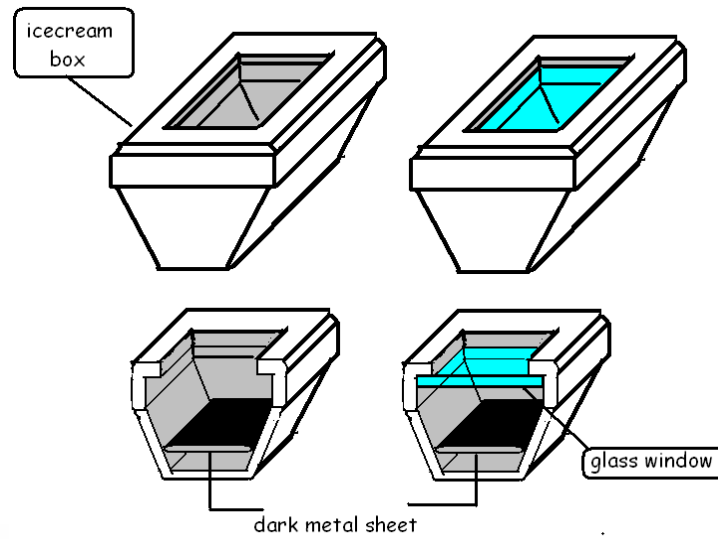
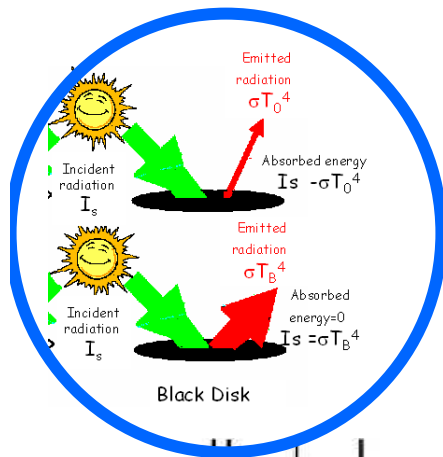
Assorbimento

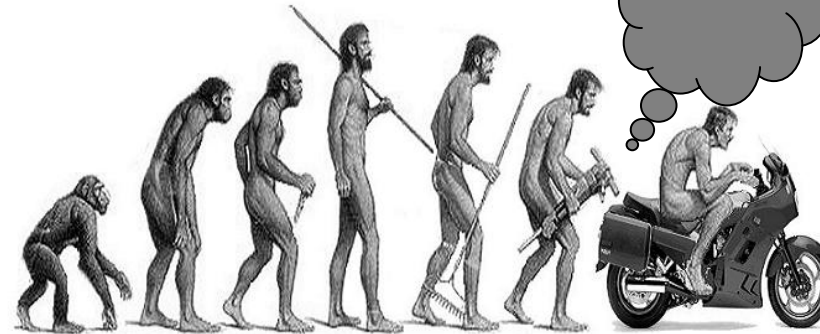
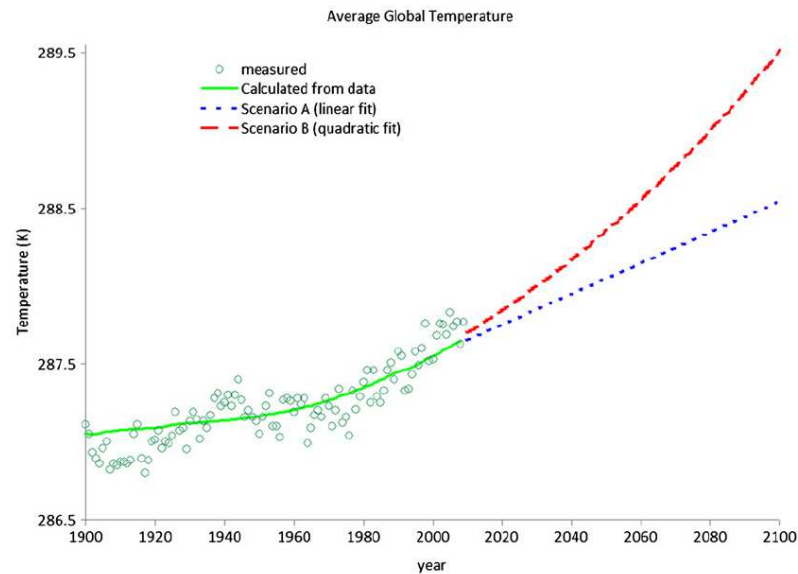
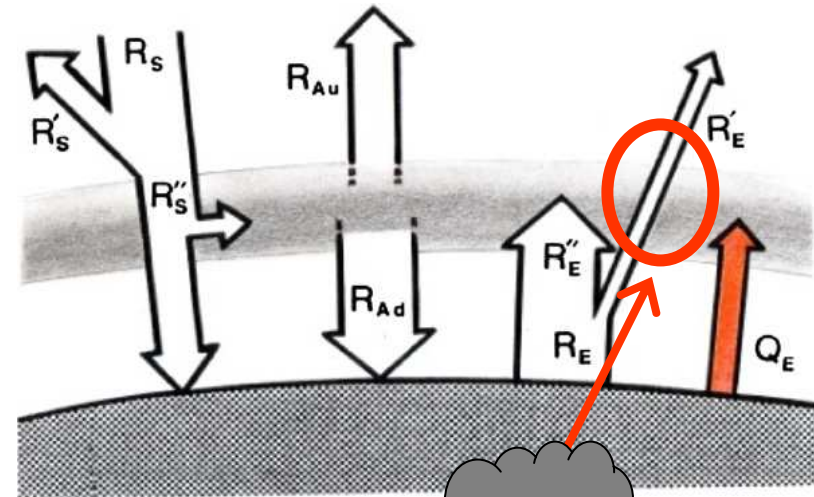
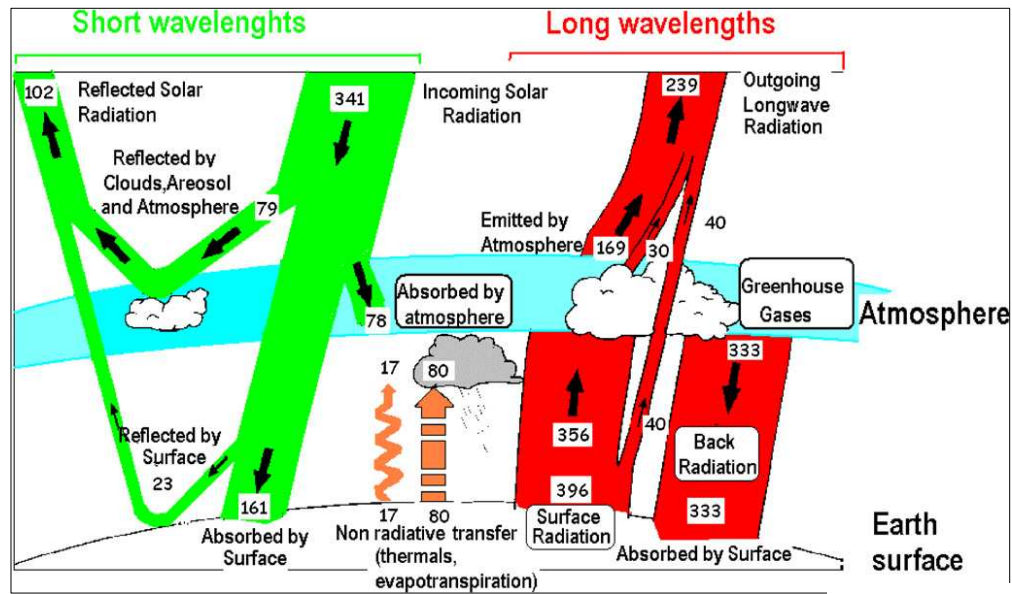
Emissione



Perché la radiazione emessa dal disco non si vede?







$$S(1 - a) = (1 - g)\sigma T_s^4$$