

Quiz 7

1. What's the difference between flux and luminosity?
2. The Sun has a luminosity of 382.8×10^{24} J/s. What is the flux 1 AU away?
 $L = F \cdot \text{Area} = F \cdot 4\pi r^2$.
3. What if the Earth were twice as far?
4. *Extra Credit: How much energy does the Earth receive, in terms of its radius?*