

Our Sun - October 8, 2008

Outline of Key Concepts:

0. General Ideas (Mass, Size, T, plasma)

1. Mechanism of Energy Generation in the Sun (you know this already!)
- $E=mc^2$

2. Solar Structure & Energy Transport

-radiative zone

-random walk/radiative diffusion

-convective zone

3. Solar Atmosphere & bizarre Temperature Structure

-photosphere

-chromosphere

-corona

4. Understanding the Solar Spectrum

5. The Active Sun

-rotation & magnetic fields

-sunspots

-solar cycle

-prominences

-flares

-coronal mass ejections

6. Sun/Earth Connection