

PHYS178 – Assignment 7

Due: Monday 20 October 2008

This assignment contributes 2% to your final grade. Please write brief answers directly on the sheet in the spaces provided (and on the back if necessary). The assignment should be turned into the PHYS 178 assignment box on level 2 of E7B, just outside the doorway to E7A.

1. What is the safe way to observe a solar eclipse and why shouldn't you look at it directly with a telescope?
2. What produces granulation on the surface of the sun?
3. What is the solar cycle and what effects does it have?
4. Why does the sun shine? How could it have lasted for so long?
5. What are solar flares?