PHYS 178 – Assignment 2

Due: Monday 25th August 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. Explain why the Earth-Moon distance is expanding at the rate of a few centimetres per year.

2. Give two pieces of evidence that imply that the lunar seas are younger than the lunar highlands.

3. Briefly outline one of the scenarios for the formation of the Moon.

4. Describe how Mercury's "lobate scarps" are thought to have formed.

5. Why is Mercury believed to have a large iron core?