

## **PHYS178 – Assignment 10.**

**Due: Monday 10<sup>th</sup> November 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 PHYS178 assignment box on level 2 of E7A.

1. Outline some of the challenges that have to be overcome before we can detect earth like planets around other stars

2. Explain why the currently observed properties of extra-solar planets are not necessarily representative of the general planetary systems that might exist

3. Briefly describe 3 examples of 'extreme life' on earth

4. Discuss in less than 200 words the theory of panspermia.