

A-Level Geology Summer Bridging Task

The purpose of giving you a summer bridging task

- To provide a bridge from level 2 to level 3 study, and lead into the early stages of the course
- To engage you in independent learning which is required at level 3
- To encourage you to develop your work ethic and commitment to study
- To measure your suitability for the course and assess your initial levels of achievement

Task 1: Geology encompasses a wide range of topics and skills. To make the study of Geology easier, it is useful to know a number of key terms. Research the definitions to the following key terms:

Mineral	Rock	Anthropocene	Fossil	Mass extinction
Plate tectonics	Porosity	Permeability	Geological Time	Orogeny

Task 2: One of the topics we will study is the solar system.

Complete the following table

Planet	Description	Distance from the sun	Atmosphere	Surface temp	Density	Number of Moons
Mercury						
Venus						
Earth						
Mars						
Jupiter						
Saturn						
Uranus						
Neptune						

Task 3: As there are some maths components in Geology, have a go at the following maths question. Olympus Mons is a volcano on Mars. It is 27km high and has a base diameter of 600km. Assuming that Olympus Mons has a conical shape, calculate the volume of Olympus Mons.

The formula for the volume of a cone is $V = \frac{1}{3}\pi r^2 h$

