

CGR4M0 Environmental and Resource Management
Quiz 1 Review

The Sun

- explanation of the earth's energy budget
- determination of wind velocity
- formation of precipitation
- why there are ocean currents
- photosynthesis
- influences of the sun on the 4 spheres

The Atmosphere

- difference between weather and climate
- 7 climate controls (and how they work)
- what causes wind
- layers of the atmosphere and temperature changes

The Hydrosphere

- definitions:
 - condensation
 - evaporation
 - sublimation
 - evapotranspiration
- El Niño and La Niña – what are they and what are their basic effects

The Lithosphere

- the 5 layers of the earth
- the 3 states of rock and the 5 processes that are involved in the rock cycle
- how mountain ranges, ice flows and plant life support Wegener's theory that the earth's crust moves around

The Biosphere

- definitions these terms:
 - photosynthesis
 - ecosystem
 - heterotrophic
 - detritus
 - eutrophication
- the Gaia Hypothesis - what does it say; how is it being proven and what is the opposition to it

Your quiz is on Friday, September 28, 2012