

# Design-A-Lifeform Project

AST 2037 – March 26, 2008

Due in class Tuesday, 22 April 2008

**Goal:** Design an alien lifeform – from nanobacteria to megafauna acceptable (and other, even more bizarre things if you wish).

**Report:** Describe the properties of the alien lifeform. This includes size, shape, basic structure (from chemical makeup to large-scale properties such as skin, membranes, appendages, sensors, etc.), energy source, method of metabolism, method of reproduction, environment, ecology (if applicable). Report should include at least one drawing or other graphic representation of the lifeform.

Report grade will be positively impacted by provision of evolutionary description – how did life originally form in this environment, and what evolution (if any) led to the current life form? What special/unusual properties does this lifeform possess, and how were they affected by the environment around it? Is the lifeform intelligent – if so, why? If not, why not? Creativity counts.

Report length should be 4-6 pages long, double-spaced, 12-point font, standard margins.