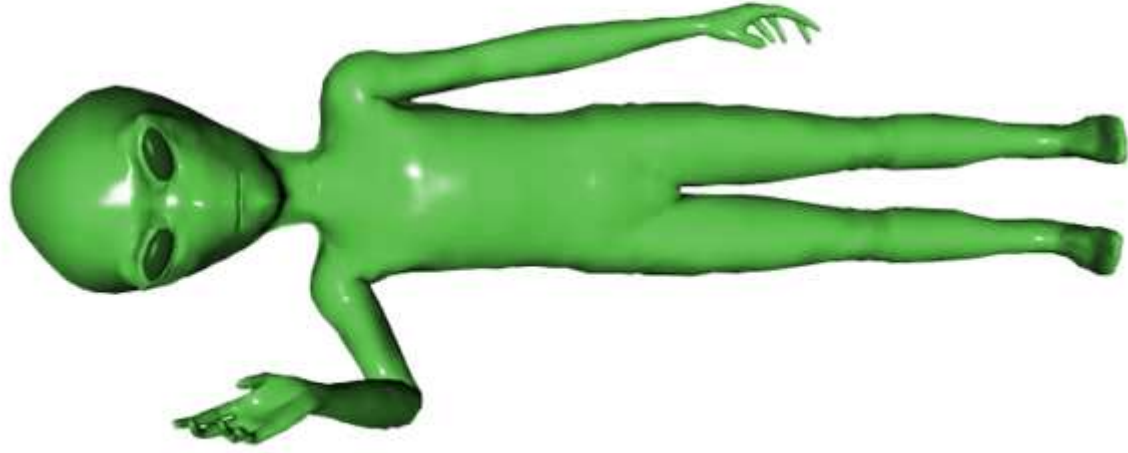


Build An Alien!



How Might Alien Life Evolve?

- The study of alien life has to contend with zero observations to test models against!
- Natural selection
 - All living beings took their present form through a very long series of chance variations
 - Most of the new forms died out, but the ones better suited to the environment thrived and multiplied
- Assumptions
 - Natural selection will define life form over the long run
 - Environment influences evolution
 - Low atmospheric pressure will favor large lungs
 - High gravity will favor short, flat life
 - Need a way to eat and excrete
 - Likely belong to an ecosystem & food chain

Steps to Building Your Alien

- Form teams of 4 – 6
- You will be rolling the die to simulate millions of years of evolution through chance variations and adaptation
- **Follow the instructions carefully** to determine the features of your alien life and record your results
- Answer the questions about your alien
- Draw a picture of your alien in its habitat