

Designer Organism

Ready for a challenge???

Here are the requirements for your group:

1. Colored, labeled diagram of the external anatomy. Be creative!!!
2. Colored, labeled diagram of the internal anatomy. You may need to draw multiple diagrams in order to clearly show and label all the different parts of each system. The internal diagram should cover:
 - a. Gas exchange: lungs, stomates, diffusion, new type?
 - b. Transport of nutrients: circulatory, diffusion, xylem, phloem, new type
 - c. Attaining and utilizing energy: eating, digestive tract, using nutrients from soil, etc., new type? Excretory: anus, diffusion, new type?
 - d. Responding to the environment (Sensory): nerves, brain, nerve net, new type?
 - e. Reproduction: sexual, asexual, new type?
 - g. Type of cell: prokaryote, eukaroyte, plant, animal, new type?
 - h. Carbon based with organic compounds.
3. Colored, labeled diagram of the organism in its ecosystem: location, plants, predators and prey
4. Written description. Describe the:

◆ External Anatomy:

What specific anatomy does it have?

What does this anatomy enable it to do?

◆ Internal Anatomy: (Remember to use your texts to help you choose and apply specific systems necessary for life!)

Describe the type of anatomy required for each system and how it works:

Gas Exchange	Sensory
Nutrient Transport	Excretory
Energy use & intake	Reproduction
Type of cell	

◆ Environment:

Where does your organism live?

What does it prey on and what preys on it?

BE CREATIVE AND USE LOTS OF DETAIL! DON'T FORGET TO USE YOUR TEXTBOOK FOR HELP AND IDEAS!!!!