

Name: _____

Date Due: _____

Create a Living Organism

You must “create” a living organism from something non-living. You must give this non-living thing all the properties of life.

1. Determine what environment your organism will live in

2. Draw AND color your organism in its environment so it FILLS the page

3. On the back, you must explain:

- a. _____ Explain how it **reproduces**? (Sexual or Asexual? Explain)
- b. _____ How much does it **grow**?
 - i. How big is it when it begins life
 - ii. how big it is when it is mature.
- c. _____ Describe the anatomy of two systems that **develop** and how your organism uses those systems?
 - i. (Examples: Respiratory, Circulatory, Digestive, Excretory, Nervous, etc.)
 - ii. Does it go through any major changes during its lifetime? (Metamorphosis, *i.e. larva, caterpillar, pupae, adult butterfly*)
- d. _____ How has the organism **changed** over the past million years?
 - i. What adaptations did it develop?
 - ii. How has this change helped them adapt to their new surroundings?
- e. How does it obtain **energy**?
 - i. Does it make its own?
 - ii. Does it eat? If so, then what?
- f. How does it maintain **homeostasis**?
 - i. You might include the balance of temperature, water, gases, nutrients, minerals, etc.
- g. How does it **respond to stimuli** within the environment? (Does it respond to light? Does it respond to predator-prey relations? etc.)
- h. How is your organism **organized**? (Single-celled, multi-celled, and structure-tissues, organs?)

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