

Organism Facebook Project

Now that you have studied many aspects of ecosystems, you will demonstrate your understanding by designing a Facebook webpage for an organism in its ecosystem! You can do it either 1) electronically, on the Facebook template, or 2) as a poster.

Objectives:

The student will:

- a. Conduct research on an organism (plant or animal) from anywhere on Earth.
- b. Become an expert on the organism!
- c. Design a Facebook page relating the organism to these factors.
- d. Include a works cited and correctly make references to all resources used: pictures, ideas, and quotes.

The step-by-step Process:

1. Individually, choose an organism (a plant or an animal) and conduct research on the following aspects of the organism:
 - i. habitat
 - ii. niche
 - iii. ecosystem
 - iv. biome
 - v. biotic factors
 - vi. abiotic factors
 - vii. two possible food chains
 - viii. human impacts on the organism
 - ix. organisms impact on humans
 - x. evolutionary relationships
2. Complete and submit the *outline worksheet* so you can receive feedback. You will do a peer review of the outline, and **you will be graded on it.**
3. Use your outline worksheet to complete your Facebook page.

Designing Your Page- the page should include:

1. Personal Information

- **Personal quote**
- **hometown (an actual place. i.e. North Kingstown, RI- in the biome)**
- **home neighborhood (biome)**
- **habitat, biome, niche**
- **abiotic components you interact with in your ecosystem**
- **human impacts on the organism**
- **organisms impact on humans**
- **audio/song: 1 song title that would describe your organism!**

2. The Wall

- **at least 5 posts to or from other organisms**
- **anything else that's fun!**

3. Friends (biotic factors)

- **at least 3 friends or contacts (other organisms)**
- **each contact should have pictures and a description of their relationship (predator, prey) with your organism**

4. Family

- **Evolutionary relationship described between organism and three others**

5. Photos

- **your webpage should have one central photo of your organism**
- **include additional photos with captions that explain (significance):**
 - **1. Two possible food chains that you create**
 - **2. a photo related to the human impacts on the organism**
 - **3. photos of the important biotic factors in the ecosystem**

Your webpage should express and demonstrate an in-depth analysis of your organism.

	4 excellent	3 good	2 fair	1 poor
Habitat, niche, and biome	The organism's habitat and its role in the ecosystem (niche) are described thoroughly. The biome is identified.	The organism's habitat, biome, and its role in the ecosystem are described but some parts are missing.	The organism's habitat, biome, and its role in the ecosystem are partly described. It is clear that parts are missing.	The habitat is described, but the niche and biome are not included.
Friends (biotic factors)	At least three other organisms are thoroughly described. Includes interactions between the organism and the other populations and pictures.	Other organisms are thoroughly described. Some interactions the organism and the other populations are described and pics.	Some organisms are described. Very few interactions between the organism and the other populations described.	Very few other organisms and their interactions are included.
Evolutionary relationship (not necessarily within biome)	Evolutionary relationship between organism and three others is accurately described. Each includes picture with caption.	Evolutionary relationship between organism and three others is described. Each includes picture with caption.	Less than three organisms or picture with caption.	Incomplete description of evolutionary relationship.
Description of the abiotic factors of the ecosystem	The features of the ecosystem: temperature, sunlight, precipitation, soil type, and other abiotic factors are described.	Some features of the climate: temperature, sunlight, precipitation, soil type, and other abiotic factors are described.	Few features of the climate: temp., sunlight, precipitation, soil type, and other abiotic factors are described.	Little mention of abiotic factors are included.
Two food chains including your organism	Two possible food chains including at least 4 trophic levels are included. It is correctly organized and labeled.	Two food chains that show 4 trophic levels are present but has minor inaccuracies.	Less than two complete food chains.	An attempt is made to show food chain(s) but is inaccurate.
A pyramid of energy including the organism	The organized pyramid of energy includes producers, primary consumers, etc. and shows percentage of energy loss.	The organized pyramid of energy is there, but some parts are missing	A basic pyramid of energy is provided.	The pyramid of energy is hard to understand, or incorrect.
A description of human impacts, including photo	Multiple human/organism interactions and their positive/negative influences are described fully including a visual.	Human impact is described, but lacks some detail, includes visual.	Human impact is vaguely described or missing visual.	The human impact is missing or poorly described.
Fun aspects (song, comments on wall, personal quote)	Song, personal quote, and a minimum of 5 wall posts. All components must be relevant to organism.	Song, personal quote, and a less than 5 wall posts. Relevance is not obvious.	Two of the three "aspects" are present.	Less than two "aspects" are present.
All information is properly cited. <i>*Must earn at least a 3 for proficiency</i>	All information and pictures are cited correctly in MLA format.	Some information is not cited correctly.	Very little of the information is correctly cited.	No information is cited correctly.