

Handout

Protist Project

Guiding Question: how are protists suited for survival in their environment?

What are you doing?

You will conduct independent research on a particular protist and design a product to share what you have learned with your peers.

The protist I am researching is:

Part 1: Independent Research

You will use online tools to learn as much as you can about the protist you have chosen for this project.

Here are some very helpful questions that will help guide your research.

1. Is your protist a protozoa, algae, or decomposer?
2. Where is your organism found?
3. What structures does your organism have? What function do they do?
 - a. Does your organism move? If so, how?
 - b. How does your organism obtain energy?
 - c. How does your organism reproduce?
 - d. What other behaviors help your organism survive?

Possible Vocabulary

Use at least 10 in your project; circle the ones you find in your research. You are not limited to just these vocabulary terms.

algae	asexual reproduction	autotroph
cell membrane	cell wall	chloroplasts
cilia	colony	cytoplasm
energy	flagellum (flagella)	heterotroph
multicellular	nucleus	organelles
plastid	protozoa	pseudopod
sexual reproduction	unicellular	vacuole

Part 2: Share your research!

1. Straight-forward: article (typed with at least one picture)
2. Artist option: scientific diagram (hand drawn or traced with descriptors)
3. Creative option: baseball card (picture on front, facts/stats on back)
4. Free choice option: up to you but it must be approved by Mr. Ower

Protist Project Rubric

Independent research Guiding Question Response

Beginning	Developing	Developed
<p>Answer to the guiding question is unclear to the audience.</p> <p>Understanding of the topic is unclear to the audience</p> <p>0 pts 1pt</p>	<p>Guiding question is answered with general but not many specific details.</p> <p>Understanding of the topic is partially evident.</p> <p>2pts 3pts</p>	<p>Guiding question is answered thoroughly with very specific details.</p> <p>Understanding of the topic is very evident.</p> <p>4pts 5pts</p>

Vocabulary Usage

Beginning	Developing	Developed
<p>Vocabulary terms are rarely used correctly and are rarely defined throughout.</p> <p>0 pts 1pt</p>	<p>Vocabulary terms are mostly used correctly and mostly defined throughout.</p> <p>2pts 3pts</p>	<p>Vocabulary terms are used correctly and defined throughout.</p> <p>4pts 5pts</p>

Images

Beginning	Developing	Developed
<p>Picture is not included.</p> <p>Picture fails to show/ describe organism's structure.</p> <p>0 pts 1pt</p>	<p>Picture is included but attention to detail is not included well.</p> <p>Picture shows/describes some of the organism's structure</p> <p>2pts 3pts</p>	<p>Picture is included and much attention is given to detail.</p> <p>Picture shows/describes organism's structures clearly and scientifically.</p> <p>4pts 5pts</p>

Total Points Earned: _____ / 15

Percent: _____