

## UNGLAMOROUS SPECIES PROJECT

Conservation efforts typically focus on the warm and fuzzy animals (panda bear, polar bear...) but without the very unglamorous organisms (bacteria, fungi, plants...) the very fabric of all ecosystems would be destroyed.

Your Assignment is to select an “unglamorous” organism and create a poster arguing for its conservation. **Your organism cannot be a bird or a mammal.** Organisms can be reptiles, amphibians, bacteria, fungi, plants, and insects. (Bonus points for any of the underlined) Choose a specific species and sign up for it on the sign-up sheet. Use the rubric below to complete the assignment. *No repeat organisms in the class will be allowed.*

<u>CATEGORY</u>	<u>5 (AD)</u>	<u>4 (PR)</u>	<u>3 (BA)</u>	<u>2 (MI)</u>	<u>1 (MI)</u>
<b>Characteristics of Chosen “Unglamorous” Species</b>	Five or more descriptive characteristics of species including the organism's scientific name written in proper form.	Four descriptive characteristics of organism including the organism's scientific name.	Three descriptive characteristics of the organism including the organism's scientific name	Two descriptive characteristics of the organism OR no scientific name included	One descriptive characteristic and no scientific name.
<b>Examples</b>	Two pictures of the organism with appropriate labels.	Two pictures of the organism missing appropriate label.	One picture of the organism with appropriate labels.	One picture of the organism missing appropriate labels.	Incorrect pictures of the organism chosen with or without labels.
<b>Interesting facts</b>	Five interesting facts that are clearly presented on the poster.	Four interesting facts that are clearly presented on the poster.	Three interesting facts that are clearly presented on the poster.	Two interesting facts that are clearly presented on the poster.	One interesting facts that are clearly presented on the poster.
<b>Attractiveness/ Creativity</b>	The poster is exceptionally attractive in terms of design, layout, and neatness.	The poster is attractive in terms of design, layout and neatness.	The poster is acceptably attractive though it may be a bit messy.	The poster is distractingly messy or very poorly designed. It is not attractive.	The poster is distractingly messy or very poorly designed. It is not attractive. and is missing key elements
<b>Argument for Conservation</b>  <b>“Why am I important ?”</b>	Poster provides a convincing reason for the conservation of this species AND says why the organism is important	Poster provides a convincing reason for the conservation of this species.	Poster provides an adequate reason for the conservation of this species.	Poster states a confusing reason for conservation of this species.	Poster provides any reason for the conservation of this species.
<b>Organism is listed on the IUCN Red List and its Status is explained</b>	Located on IUCN Red list and status is provided and explained	Located on IUCN Red list and status is provided and explained inaccurately	Located on IUCN Red list and status is not provided or explained	Not Located on IUCN Red list and status is not provided or explained	Not Located on IUCN Red list and status is not provided or explained

Examples of organisms to choose (not all organisms have to actually be threatened or endangered) Only one person may have an organism in each class.:

Zygomycota (choose a specific organism)

Ascomycota (choose a specific organism)

Basidiomycota (choose a specific organism)

Deuteromycota (choose a specific organism)

Achromobacter (choose a specific organism)

Pseudomonas (choose a specific organism)

Actinobacter (choose a specific organism)

Isia Isabella

Hymenoptera (choose a specific organism)

Dolichovespula

Apis mellifera

Danaus plexippus.

Coleopteran (choose a specific organism)

Chaetognatha

Chlorella kessleri

Cyannobacteria

Xyloryctes jamaicensis

*Dynastes hercules hercules*

Go to: <http://www.iucnredlist.org/> and select your own organism that may be threatened or endangered. Your organism can not be a bird or a mammal. Organisms can be reptiles, amphibians, bacteria, fungi, plants, and insects.