

Name _____

Adaptations Project

Objective: Choose an ecosystem and two animals who live there, and describe the adaptations that help them survive, all on a poster.

Requirements for Write-Up:

- Name
- Title
- Ecosystem
 - Description in paragraph form
 - Terrain (fields, mountains, rivers, etc)
 - Weather (wet, dry, hot, cold, windy, blizzards, etc)
 - Plant (and animal) life
 - Location on Earth
 - Why is it difficult to survive in this ecosystem? Be specific.
 - Drawing or picture of ecosystem
- Animal #1: Predator
 - Description in paragraph form
 - Name
 - Where does it live?
 - What does it eat?
 - What eats it?
 - Drawing or Picture
 - Adaptations
 - Behavioral adaptation
 - What behavior does this animal do that helps it survive?
 - Physical adaptation
 - What part of its body helps this animal survive?
 - Hunting adaptation
 - How does this adaptation help this animal get food?
- Animal #2: Prey
 - Description in paragraph form
 - Name
 - Where does it live?
 - What does it eat?
 - What eats it?
 - Drawing or Picture
 - Adaptations
 - Behavioral adaptation
 - What behavior does this animal do that helps it survive?
 - Physical adaptation
 - What part of its body helps this animal survive?
 - Survival adaptation
 - How does this adaptation help this animal not get eaten?

- Different Ecosystem
 - Describe a *different* ecosystem.
 - Why would your animals have a tough time surviving here?
 - Be specific about why their adaptations would make it difficult to survive in this different ecosystem.
 - What adaptations would your animals need instead to help them survive in this ecosystem?

Important Dates

Project Assigned	Tuesday, April 06
Work Day	Wednesday/Thursday
Work Day	Monday, April 12
Work Day	Tuesday, April 13
1 st Draft Due	Wednesday, April 14
2 nd Draft Due	Friday, April 16

Name _____

Adaptations Project Planning Worksheet

Important Dates

Project Assigned	Tuesday, April 06
Work Day	Wednesday/Thursday
Work Day	Monday, April 12
Work Day	Tuesday, April 13
1 st Draft Due	Wednesday, April 14
2 nd Draft Due	Friday, April 16

	Your Choice <i>Be Specific</i>
Ecosystem	
Predator	
Prey	
New Ecosystem	

Don't forget pictures of your ecosystem, predator, and prey to help you draw them!!

Ecosystem

1. What ecosystem did you choose? _____

2. What continent and country is this ecosystem found in? Be as specific as possible as to where on Earth your ecosystem is.

3. What kind of terrain is there? (Is the land flat? Are there hills? Mountains? Is the ground rock, grass, or ice?)

4. What is the weather like? Tell about the temperature, the amount of rain and snow, and anything else important.

5. What plants grow in this ecosystem? Are there many trees? What kinds of trees/plants?

6. Are there many other animals that share this ecosystem? Or are animals rare in this ecosystem? What kinds of other animals live here?

7. What about this ecosystem makes it difficult to survive? Be specific and give at least two things.

a) _____

b) _____

Predator

8. What is your predator? _____

9. Exactly where in this ecosystem does it live? (In a tree? In a cave?)

10. What does it eat? _____

11. How does it hunt its food? Be specific. _____

12. What kinds of animals hunt your predator? _____

13. What is a ***physical adaptation*** your predator has that helps it survive in its ecosystem? (i.e. claws, camouflage, fur) Be specific about how this helps it survive.

14. What is a ***behavioral adaptation*** your predator has that helps it survive in its ecosystem? (i.e. hunting in teams, hibernating, how it eats) Be specific about how this helps it survive.

15. Give one more adaptation that specifically helps your predator catch its prey. Be specific about how this helps it catch its prey.

Prey

16. What is your prey? _____

17. Exactly where in this ecosystem does it live? (In a tree? In a cave?)

18. What does it eat? _____

19. How does it get its food? Be specific. _____

20. What kinds of animals hunt your prey? _____

21. How does your prey try to survive when it is hunted? _____

22. What is a ***physical adaptation*** your prey has that helps it survive in its ecosystem? (i.e. claws, camouflage, fur) Be specific about how this helps it survive.

23. What is a ***behavioral adaptation*** your prey has that helps it survive in its ecosystem? (i.e. hunting in teams, hibernating, how it eats) Be specific about how this helps it survive.

24. Give one more adaptation that specifically helps your prey escape when your predator hunts it. Be specific about how this helps it survive.

Different Ecosystem

25. What is your *different* ecosystem? _____

26. What continent and country is this ecosystem found in? Be as specific as possible as to where on Earth your ecosystem is.

27. What kind of terrain is there? (Is the land flat? Are there hills? Mountains? Is the ground rock, grass, or ice?)

28. What is the weather like? Tell about the temperature, the amount of rain and snow, and anything else important.

29. What plants grow in this ecosystem? Are there many trees? What kinds of trees/plants?

30. Are there many other animals that share this ecosystem? Or are animals rare in this ecosystem? What kinds of other animals live here?

31. What about this ecosystem makes it difficult to survive? Be specific and give at least two things.

a) _____

b) _____

32. Why would your predator not be able to survive in this ecosystem? Be specific!

33. How would your predator's adaptations hurt its chances of survival here?

34. What adaptations would your predator need instead in order to survive here?

35. Why would your prey not be able to survive in this ecosystem? Be specific!

36. How would your prey's adaptations hurt its chances of survival here?

37. What adaptations would your prey need instead in order to survive here?

Adaptations Rubric

Category	Beginning	Approaching	Meeting	Exceeding
Completeness 15 points	Several days late. Poster is sloppy. More than one section from assignment is missing.	One day late. Poster is not neat. Poster is difficult to read or in pencil. One section from assignment is missing.	On-time. Poster is neat and in marker. Includes every section from assignment.	On-time. Poster is very neat and well-designed. Includes extra sections not required.
Ecosystem and Animals 25 points	Ecosystem description is missing major details. Animal descriptions are missing major details. Drawings or pictures are missing or incorrect.	Ecosystem description is missing some details. Animal descriptions are missing some details. Drawings or pictures are incomplete or inaccurate.	Ecosystem is clearly described with all required details. Animals are clearly described with all required details. Drawings or pictures are included and accurate.	Meeting Plus: Extra details in descriptions. Extra animals are included.
Adaptations 35 points	Adaptation descriptions are missing major details. Few or no adaptations are labeled as behavioral or physical. How adaptations help the animals survive is missing. What adaptations the animals would need in a different ecosystem is missing.	Adaptation descriptions are missing some details. Most adaptations are labeled as behavioral or physical. How adaptations help the animals survive is unclear. What adaptations the animals would need in a different ecosystem is unclear.	All required adaptations are described in detail. Adaptations are labeled as behavioral or physical. Explanations clearly show how adaptations help in the ecosystem. Explanations clearly show what adaptations the animals would need in a different ecosystem.	Meeting Plus: Extra adaptations are explained. Explanations include extra details or are in great depth.
Scientific Writing 10 points	Writing is not in complete sentences or extremely unclear. Few or no scientific terms are used appropriately.	Writing is slightly unclear or difficult to understand. Some scientific terms are used inappropriately.	Writing is clear and easy to understand, in complete sentences. Scientific terms are used appropriately.	Meeting plus: Writing is easy to read and flows nicely. Scientific terms are used appropriately and explained in great detail.
Artwork 15 points	No artwork is shown. More than one animal or ecosystem is missing.	The artwork shows an animal, but not in an ecosystem. One animal or ecosystem is missing.	Art work clearly shows the animal in an ecosystem. Both animals and ecosystems are shown.	Meeting Plus: Artwork is life-like and well-drawn. Every animal and ecosystem is hand-drawn.

Overall Grade _____