



Name: _____

Section: _____

Date: _____

CLOUD FOREST ADAPTATIONS
Intro to the Cloud Forest

Directions: Examine the panoramas and videos as your teacher presents them to you. In the “challenges” column, write down challenges that you think your type of organism would face in the given location of the cloud forest. In the “adaptations” column, think about adaptations that the organism might have in order to deal with the challenge you addressed. Remember to concentrate on the type of organism assigned to you by your teacher.

My type of organism: _____

<i>LOCATION IN FOREST</i>	<i>CHALLENGE(S) PRESENT</i>	<i>ADAPTATION(S) TO CHALLENGE</i>
Panorama #1 Low Elevation Forest Natural Scene OR Site Intro		
Panorama #2 Mid Elevation Forest Natural Scene OR Site Intro		
Panorama #3 High Elevation Forest Natural Scene OR Site Intro		
Panorama #4 Elfin Forest Natural Scene OR Site Intro		
Panorama #5 Atlantic Slope Natural Scene OR Site Intro		



Name: _____

Section: _____

Date: _____

CLOUD FOREST ADAPTATIONS

Investigating the Cloud Forest

Directions: Now you get to investigate the cloud forest on your own. Find evidence of challenges your type of organism faces within the cloud forest and adaptations present to help with each challenge. Be sure to record where you found the information so you can access it again later. Remember to concentrate on the type of organism assigned to you by your teacher.

My type of organism: _____

<i>PANORAMA NUMBER</i>	<i>HOTSPOT NUMBER</i>	<i>CHALLENGE(S) PRESENT</i>	<i>ADAPTATION(S) TO CHALLENGE</i>

Answer to Closing Question:



Name: _____

Section: _____

Date: _____

CLOUD FOREST ADAPTATIONS
Suggested Media

<i>GROUP</i>	<i>CANOPY IN THE CLOUDS MEDIA</i>
Birds	<input type="checkbox"/> Panorama #2, Canopy Hotspot #3 “The World’s Most Beautiful Bird” <input type="checkbox"/> Panorama #3, Hotspot #7 “Pollination: Hummingbirds and Flowers” <input type="checkbox"/> Media Photographs “Vertebrates”
Mammals	<input type="checkbox"/> Panorama #1, Canopy Hotspot #2 “Howler Monkeys Feeding” <input type="checkbox"/> Media Photographs “Vertebrates”
Insects	<input type="checkbox"/> Panorama #1, Hotspot #7 “Leaf Cutter Ants At Work” <input type="checkbox"/> Panorama #3, Hotspot #6 “Metallic Beetles” <input type="checkbox"/> Panorama #3, Hotspot #7 “Pollination: Hummingbirds and Flowers” <input type="checkbox"/> Media Photographs “Beetles”, “Lepidoptera”, “Other Insects”, “Orthoptera” and “Arachnids”
Epiphytes	<input type="checkbox"/> Panorama #1, Canopy Hotspot #3 “Succulent Leaves” <input type="checkbox"/> Panorama #2, Hotspot #4 “Light in the Forest” <input type="checkbox"/> Panorama #2, Canopy Hotspot #1 “Light in the Canopy” <input type="checkbox"/> Panorama #2, Canopy Hotspot #4 “Fuzzy Leaves” <input type="checkbox"/> Panorama #3, Canopy Hotspot #5 “Epiphyte Diversity” <input type="checkbox"/> Panorama #3, Canopy Hotspot #1 “Microclimate and Plants” <input type="checkbox"/> Panorama #3, Canopy Hotspot #2 “Soil in the Air” <input type="checkbox"/> Panorama #3, Canopy Hotspot #4 “The Leafy Liverwort” <input type="checkbox"/> Panorama #3, Canopy Hotspot #5 “Strange Plant” <input type="checkbox"/> Panorama #4, Hotspot #5 “A Filmy Fern?!?”
Woody Plants	<input type="checkbox"/> Panorama #1, Canopy Hotspot #1 “Wind in the Trees” <input type="checkbox"/> Panorama #2, Hotspot #4 “Light in the Forest” <input type="checkbox"/> Panorama #2, Canopy Hotspot #1 “Light in the Canopy” <input type="checkbox"/> Panorama #2, Canopy Hotspot #2 “Identifying Plant Species” <input type="checkbox"/> Panorama #4, Hotspot #3 “The Canopy’s Close!” <input type="checkbox"/> Panorama #4, Hotspot #6 “A View from the Top” <input type="checkbox"/> Panorama #5, Hotspot #3 “The Science of Wood” <input type="checkbox"/> Media Video “Drip Tips”



Name: _____

Section: _____

Date: _____

CLOUD FOREST ADAPTATIONS Student Presentation Rubric

Name(s): _____

Organism Group: _____

	4 Above & Beyond	3 Complete & Correct	2 Incomplete	1 Incorrect
Organism Info	Three or more pieces of information about the group of organisms are provided. 4	Two pieces of information about the group of organisms is provided. 3	Only one piece of information about the group of organisms is provided. 2	Information provided about the organism group is incorrect. 1
Challenges	Two or more challenges the type of organism faces are presented AND explained. 4	One challenge the type of organism faces is presented AND explained. 3	Challenges the type of organism faces are presented but not explained. 2	Challenges presented are incorrect OR no challenges are presented. 1
Adaptations	Two or more adaptations are presented AND explained in response to a challenge faced. 4	An adaptation is presented AND explained in response to a challenge faced. 3	An adaptation is presented, but not explained in response to a challenge faced. 2	Adaptations presented are incorrect OR no adaptations are presented. 1
Canopy In The Clouds Media	<i>Canopy In The Clouds</i> media is used to support findings on organism challenges and adaptations. 4	3	2	<i>Canopy In The Clouds</i> media is not used to support findings. 1
Scientific Vocabulary	Scientific vocabulary is used correctly and throughout the presentation. 4	Scientific vocabulary is used correctly in parts of the presentation. 3	2	Scientific vocabulary is used incorrectly in the presentation. 1

Total = _____/20

○ 19 - 20 points	Mastery – You have a strong understanding of the lesson objectives.
○ 16 – 18 points	Proficient - You're almost there!
○ 12 – 15 points	Beginning Proficiency – You are starting to understand.
○ 0 - 11 points	Needs Improvement – You made several mistakes. Ask for help and keep practicing.