



Explore H!

Ecological Succession

Go to this website

<http://goo.gl/K1tyeq>

(Remember it is case-sensitive--use lowercase and uppercase correctly.)

1. Click on Engage--Examine the picture and read the information underneath it.
 - a. Click on Explore--Complete the mission.
 1. Click and drag abiotic factors (weather) over the island.
 2. Click and drag biotic factors (animals & plants) over the island.
 3. Name the pioneer species on your answer sheet that inhabit the area first.
 - b. Click on Elaborate--Complete the pond succession. Sketch the pond succession on your answer sheet.



Succession

Go to this website: <http://goo.gl/n83DGp>
(web address is case-sensitive--use the proper
uppercase or lowercase letters)

Answer the questions in complete sentences on your
answer sheet.

1. Why aren't trees the first life form to appear in either primary or secondary succession?
2. In item #2 on the website, how does the author use the word community?
3. The first two succession studies highlight Acadia National Park in Maine and Mt. Rainier in Washington. List the organisms in the correct order that were established in these two studies.
4. Read the section "Secondary Succession - Lake Succession". Explain how sphagnum moss contributed to secondary succession in both Maine and Ohio.



Succession

Go to this website: <http://goo.gl/n83DGp>
(web address is case-sensitive--use the proper uppercase or lowercase letters)

Answer the questions in complete sentences on your answer sheet.

5. Dune Succession - Read the paragraph. Explain how people walking on the beach affected the formation of the dunes.
6. Explain how mangrove trees help stabilize beach succession.
7. Many causes of secondary succession are described on the website. These include: fire, drought, oil field, volcanoes, clear cutting and glaciers. Choose one example and write a paragraph describing one of the examples of secondary succession.



Succession on Edmodo

Go to this website: www.edmodo.com
(web address is case-sensitive--use the proper
uppercase or lowercase letters)

1. Log into Edmodo.com
2. Click on your class period.
3. Open the Blendspace that was shared with you in the posts.
4. Choose any of the videos to watch to answer the following questions.

(Questions are on the next task card.)



Watch It
2

Succession on Edmodo

Go to this website: www.edmodo.com
(web address is case-sensitive--use the proper
uppercase or lowercase letters)
(Questions are on this task card)

1. What is succession? Use the sentence stem: 'Succession is..'
2. What is primary succession? Use the sentence stem: 'Primary succession is..'
3. What is secondary succession? Use the sentence stem: 'Secondary succession is..'
4. What are some examples of primary succession in the schoolyard?
Use the sentence stem: 'Some examples of primary succession in the schoolyard are..'
5. What are examples of secondary succession in the schoolyard? Use the sentence stem: 'Some examples of secondary succession in the schoolyard are..'



1. Fire: Friend or Foe

Read the Fire: Friend or Foe article.
Answer the questions in complete sentences.

1. According to the section titled "Plant Adaptations," how are trees such as redwoods protected from fire?
2. What does the information in paragraph 14 mainly show?
3. According to the section titled "Plant Adaptations," how are lodgepole pines able to reproduce after a fire?
4. Based on your knowledge of succession, what type of succession has occurred in this passage?



2. Yellowstone

Read the Yellowstone article.
Answer the questions in complete sentences.

1. What caused the fires?
2. What is one effect of the Yellowstone fires?
3. What conclusion does the writer draw about forest fires?
4. What animals benefit from fallen trees?



Think-Pair-Share through Writing

Reflect upon your Input stations.

Answer the following questions in complete sentences.

1. Summarize the difference between primary successions and secondary succession. Be sure to use at least three sentences.
2. What idea covered in the succession unit was most difficult to understand and why? How can your teacher help clarify this idea for you?



Graphic Organizer Manipulative

Reflect upon your Input stations.

- ◆ Organize the cards into the correct timeline order of Ecological Succession.
- ◆ Draw the timeline on your worksheet. (Include arrows showing the progression of events.)



Illustrate Ecological Succession

Reflect upon your input stations.

1. Click on **Edusmart 2014** folder on the desktop.
2. Click on **Grade 7**
3. Click the **right arrow** to find **Ecological Succession**
4. Click on the **Interactivity (Letter I)** for Ecological Succession.
5. Click on **Fit them right!**
6. Follow the instructions in the activity.
7. Write down each succession scene and answer the questions on your paper.
8. Illustrate it and label the scenes.

For example: rock, moss, & lichen--> mature forest

For Scene 1: What type of succession is this?

For Scene 2: Which one is the climax community?

For Scene 3: Which one will be able to support the pioneer species first?



Succession Post-Assessment

Reflect upon your input stations.
Write your answer choice on your answer sheet.

1. Ecological succession usually includes changes in all of the following EXCEPT -

- A. the number of different kinds of plants.
- B. the number of plants of any one species.
- C. the overall size of the dominant plants.
- D. the rate at which species produce offspring.



Succession Post-Assessment

Reflect upon your input stations.
Write your answer choice on your answer sheet.

2. In the process of ecological succession, grasses appear before shrubs because grasses -

- A. loosen the dirt for new trees to take root.
- B. provide food for animals returning to the area.
- C. require plenty of sunlight to make their own food.
- D. can grow rapidly even in areas with shallow soil



Succession Post-Assessment

Reflect upon your input stations.
Write your answer choice on your answer sheet.

3. Which of the following is an example of one stage in ecological succession?

- A. A tree falls over in a forest.
- B. Weeds grow in a garden.
- C. Fish swim in a pond.
- D. A bird lays eggs in a nest.



Succession Post-Assessment

Reflect upon your input stations.
Write your answer choice on your answer sheet.

4. After a catastrophic wildfire that clears the land of all plants and trees, -

- A. plants will not grow again in the burned area.
- B. bushes will grow in the area before weeds grow.
- C. weeds will grow in the area before trees grow.
- D. only trees will grow in the burned area.