**Ecological Succession**

* **Ecological succession** is:
  + How long does it take usually?
* **Primary** **succession** occurs:
  + Soil present or absent? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
  + Examples of places where this might occur:

* **Secondary succession** occurs:
  + Soil present or absent? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
  + Examples of places where this might occur:
* **Why are *forest fires* sometimes a good thing?**

* **Old Field Succession** occurs 🡪

* **Pioneer species**:
  + For **primary** succession 🡪

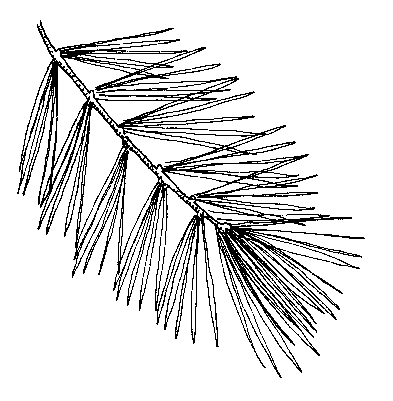
* + What are **lichens**?
  + Why are lichens so important?

* + For **secondary** succession 🡪
* **Climax community**:
  + Climax species in NH forests:

**Succession in New Hampshire: VIDEO CLIP**

Video Link: <https://www.youtube.com/watch?v=q_73jszOw_E>

1. What is the habitat type that is dwindling in New Hampshire and is required for over 70 native species of plants and animals?
2. List **3** species that need this habitat to survive:
3. What characteristic of this habitat provides a lot of protection for birds and mammals?
4. Why is there less and less of this habitat?
5. The wildlife biologist claims that there are **2** ways to maintain this type of habitat. What are they?
6. What are **2** methods currently being used around the state to create more early successional forests?
7. What is the strategy being used to maintain a diversity of habitats over time (specifically on the Tucker property)?
8. What **2** natural processes used to create these habitats naturally?
9. And why are there less of these happening today?
10. Ultimately, why do we need to maintain sections of young forest while other parts of the forest mature into climax communities?



In the spaces below, draw or diagram each type of succession over time. For **primary**, indicate what type of environment it originates on (no soil present to start). For **secondary**, indicate what disturbance occurred to start the process. Include appropriate **pioneer species** and label your **climax community**. Use your notes and/or textbook for help.

**Primary succession**:

**Secondary Succession:**