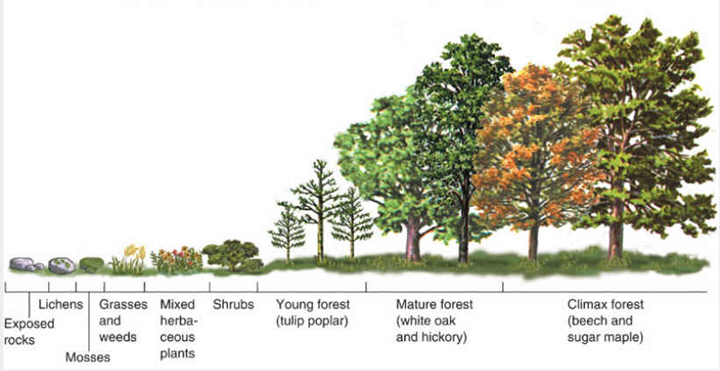
**Primary Succession**

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**1. What do ecologists mean by the term *succession?* Ecological succession is the process of change in the species structure of an ecological community over time.**

**2. Explain the process of primary succession as illustrated in the picture. Primary succession means that there is no soil. In the illustration above the exposed rocks are an example of primary succession.**

**3. What is a climax community? Which organisms in the picture represent this type of community? Climax community is the final stage of succession, remaining relatively unchanged until destroyed by an event such as fire or human interference. The organisms in the picture that represent the climax community are the climax forest (beech and sugar maple).**

**4. How is secondary succession different from primary succession? Primary succession doesn’t have soil and secondary succession does have soil.**

**5. Based on the picture above, if you hiked through a patch of land that contained a pine forest into an area that contained only ferns, shrubs, and grasses, would you be moving from an older to a younger community or vice versa? I would be walking from an older community to a younger community.**

**6. Which parts of the ecosystem had to be established before the primary succession by the pioneer plants could occur? Water and water.**