**Pioneer Species and Primary Succession**

1. **In \_\_\_\_\_\_\_\_\_ Mount Saint Helens erupted and \_\_\_\_\_\_\_\_\_\_ was lifted 15 miles into the atmosphere and drifted over 11 states.**
2. **The area around the volcano was destroyed and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**
3. **However, over time, \_\_\_\_\_\_\_\_\_\_\_\_ and some fungi began to grow on the lava \_\_\_\_\_\_\_\_\_\_\_\_\_ on the mountain.**
4. **The process of establishing a community on area like rock without soil is called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Succession.**
5. **Soil can be created when \_\_\_\_\_\_\_\_\_\_\_\_\_ and moss begin to grow on rocks.**
6. **The \_\_\_\_\_\_\_\_\_\_\_\_ living things to appear and grow in areas without soil are called the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_species.**
7. **Lichens are a combination of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_/bacteria that lives along \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**
8. **Lichens can grow on almost any \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and do not need soil to grow.**
9. **\_\_\_\_\_\_\_\_\_\_\_\_\_ is another pioneer species that does not need \_\_\_\_\_\_\_\_\_\_\_\_\_ to grow.**
10. **Because lichen is part \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ they release \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ that break down rocks into soil called organic material.**
11. **As soil appears small weedy plants like \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ will begin to grow.**
12. **As fern type plants begin to grow other fungi and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ will appear and as they die, more soil will appear.**
13. **All of this growth is the result of the first \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ species which are the first individuals to grow on places like rocks that do not have \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**

**Fire and Succession – United Streaming**

1. **A bolt of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ resulting in a forest fire can reset the clock and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ the process of succession.**
2. **When large sections of any forest are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, it can result in enormous devastation to both plant and animal life.**
3. **Forest fires can also damage the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (rivers/steams/lakes/ponds) as well.**
4. **Nature has ways to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ from such disasters.**
5. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ cone pine trees will begin to grow after a fire, since the cones on the trees will not \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ unless the temperature is at least 160⁰F.**
6. **Many forest openings are the result of small \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ burning clearings in the forests.**
7. **These openings/clearings are important for animals like \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**
8. **Deer will enter openings at the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ edge to feed off the grasses.**
9. **If an enemy of the deer arrives, they can quickly \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ into the forest to hide.**
10. **Forest Fires are a good example of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Succession.**