

1. **Biodiversity** the variety of life in the world or in a particular habitat or ecosystem.

2. **climax community**



a stable community that no longer goes through major ecological changes

3. **Deforestation**



Destruction of forests

4. **Equilibrium**



a state of balance among the components of a system

5. **Examples of Animal Invasive Species of Tennessee** Fire Ants, Silver Carp, Africanized Bees, & Zebra Mussels

6. **Examples of Plant Invasive Species of Tennessee** Tree of Heaven, Mimosa Trees, Kudzu

7. **Factors that affect Biodiversity** Climate. Area/space, Niche/roles of organisms, genetic diversity, extinction of species in an area, humans, Habitat destruction, poaching, pollution, and invasive/exotic species

8. **Flooding**



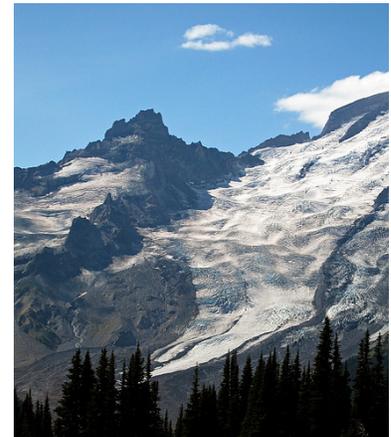
Ecosystems being covered or submerged in water

9. **Forest Fires**



Wildfires started by humans or nature that burn plants and animals
Causes secondary succession

10. **Glaciers**



Large masses of ice and snow that move slowly on land
Cause primary succession

11. **Hurricanes**



fierce tropical storms with strong winds

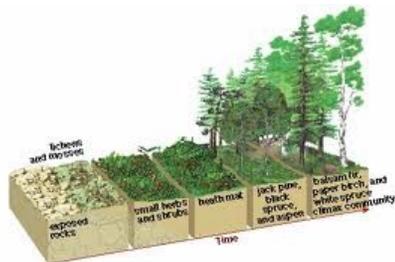
12. **Invasive Species or Nonnative Species** species that enter new ecosystems and multiply, harming native species and their habitats
13. **Mimosa Trees** Brought in from Asia for decoration, but are fast growing and compete with native plants for resources
14. **Nutrias** An invasive species of rodents from South America that have damaged wetlands instead of controlling weeds

15. **Pioneer Species**



First species to populate an area during succession

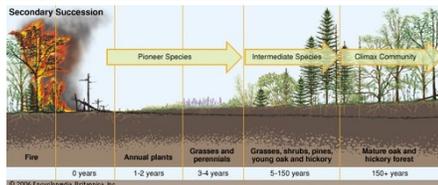
16. **Primary Succession**



Succession where there were no organisms before
 -No soil
 -Pioneer species: lichens, moss

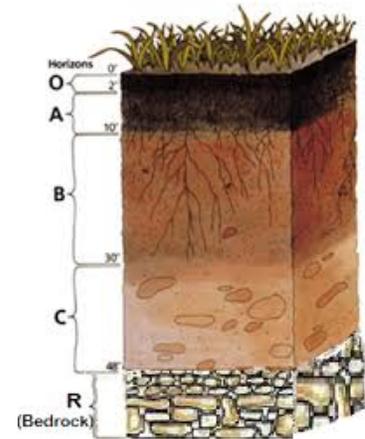
17. **Rainforest** Land Biome with the most variety of plants and animals

18. **Secondary Succession**



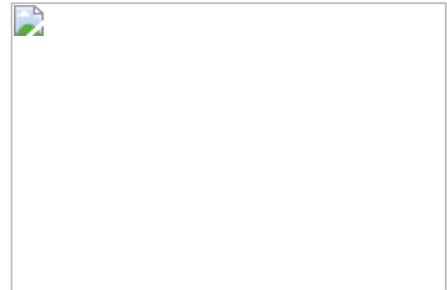
type of succession that occurs in an area that was only partially destroyed by disturbances

19. **Soil**



A loose mixture of rock fragments, organic material, water, and air that can support the growth of vegetation

20. **Volcanoes**



openings in Earth's crust from which molten rock, dust, ash, and hot gases flow or erupt
 Cause primary succession

21. **Ways to Protect Biodiversity** captive breeding, laws and treaties, natural resource management, and habitat preservation
22. **Zebra Mussels** An invasive species that rode on ships from Asia that reproduce quickly and compete for the phytoplankton in rivers and lakes