Objective Questions

1. **Lakes and ponds go through a natural aging process called \_\_\_\_\_\_\_\_. Marshes, swamps, and bogs are generally the mature stages of succession for lakes and ponds?**
   1. Aging
   2. Earth quake
   3. **Succession**
   4. Marshes
2. **The suborder Cladocera of Crustacean includes mainly micro zooplankton. Usually Cladocerans range in size from \_\_\_\_\_\_\_\_ mm?**
   1. 10 to 20
   2. 1 to 10
   3. 0.5 to 6
   4. **0.2 to 3.0**
3. **The Copepoda of Crustacean have \_\_\_\_\_\_\_\_ sub order?**
   1. 1
   2. 2
   3. **3**
   4. 4
4. **The \_\_\_\_\_\_\_\_ commonly occur in poorly drained areas such as shallow lake basins, low-lying depressions, and the land between shallow marshes and upland areas. Precipitation serves as their primary water supply, so they are often dry in the summer?**
   1. Fresh water
   2. **Wet meadows**
   3. Wet prairies
   4. Prairie patholes
5. **Blue Green Algae have a role in forming of the early earth's atmosphere because they can fix \_\_\_\_\_\_\_\_ and carbon dioxide?**
   1. Hydrogen
   2. Methane
   3. **Nitrogen**
   4. Phosphorous
6. **The \_\_\_\_\_\_\_\_ is the basic building block of the carbohydrates, fats, proteins, DNA, and other organic compounds necessary for life?**
   1. Nitrogen
   2. Hydrogen
   3. **Carbon**
   4. Sulfate
7. **Cyanobacteria contain differentiated cells as \_\_\_\_\_\_\_\_ which are major sites of nitrogen fixation?**
   1. Chlorophyll
   2. Mitochondria
   3. **Heterocysts**
   4. Carotenoids
8. **In basic physical structure, algae fall into \_\_\_\_\_\_\_\_ basic physical structures?**
   1. One
   2. Two
   3. Three
   4. **Four**
9. **\_\_\_\_\_\_\_\_ swamps are found in broad floodplains of the northeast, southeast, and south-central United States and receive floodwater from nearby rivers and streams.**
   1. **Forested**
   2. Focal
   3. Gruvial
   4. Seminal
10. **There are \_\_\_\_\_\_\_\_ major groups of ciliate genera?**
    1. One
    2. Two
    3. **Three**
    4. Four
11. **The sparkling white sand beaches of the Caribbean and many other areas in the world are eroded \_\_\_\_\_\_\_\_ remains of green algae.**
    1. **Calcium-Carbonate**
    2. Calcium-Phosphate
    3. Calcium-Stearate
    4. Calcium-Aluminate
12. **Terrestrial producers remove CO2 from the atmosphere and aquatic producers remove it from the \_\_\_\_\_\_\_\_?**
    1. Air
    2. Land
    3. Plants
    4. **Water**
13. **The \_\_\_\_\_\_\_\_ marshes are characterized by periodic or permanent shallow water, little or no peat (decaying matter) deposition, and mineral soils. They typically derive most of their water from surface waters, including floodwater and runoff, but do receive ground water inputs?**
    1. **Fresh water**
    2. Wet meadows
    3. Wet prairies
    4. Praitie potholes
14. **Tidal freshwater marshes are located \_\_\_\_\_\_\_\_ of estuaries. Tides influence water levels but the water is fresh. The lack of salt stress allows a greater diversity of plants to thrive?**
    1. Downstream
    2. Level
    3. Downfall
    4. **Upstream**
15. **The \_\_\_\_\_\_\_\_ contains earth's largest store of carbon?**
    1. Air
    2. **Oceans**
    3. River
    4. Land
16. **Copepod of Crustacean eggs hatch into small free living larvae termed \_\_\_\_\_\_\_\_?**
    1. Medusa
    2. **Nauplii**
    3. Caterpillar
    4. Sessile
17. **The \_\_\_\_\_\_\_\_ develop when snowmelt and rain fill the pockmarks left on the landscape by glaciers. Ground water input is also important?**
    1. Fresh water
    2. Wet meadows
    3. Wet prairies
    4. **Praitie potholes**