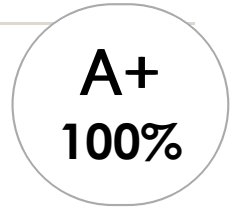


26 Multiple choice questions



1. the sequential development of more complex plant communities
 - a. **CORRECT: primary succession**
 - b. climax community
 - c. succession
 - d. secondary succession

2. mutually beneficial relationships that develop between species
 - a. habitat
 - b. **CORRECT: symbiotic relationship**
 - c. succession
 - d. natural vegetation

3. ecosystems of marine and freshwater environments
 - a. terrestrial ecosystems
 - b. ecosystem
 - c. **CORRECT: aquatic ecosystems**
 - d. genetic diversity

4. the community of species and their non-living habitat
 - a. biomes
 - b. **CORRECT: ecosystem**
 - c. biosphere
 - d. ecology

5. the plant life of an area or region
 - a. ecology
 - b. sere
 - c. fauna
 - d. **CORRECT: flora**

6. the number of different species or species richness
 - a. genetic diversity
 - b. species
 - c. **CORRECT: species diversity**
 - d. biological diversity

7. a stage in the sequence of events in which a plant or animal community in an area develops over a period of time
 - a. **CORRECT: sere**
 - b. prisere
 - c. niche
 - d. species

8. the total weight of living things in a given area
 - a. ecology
 - b. flora
 - c. biomes
 - d. **CORRECT: biomass**

9. the animal life of an area or region
 - a. megafauna
 - b. sere
 - c. **CORRECT: fauna**
 - d. flora

10. communities of plants and animals spread broadly over the surface of the continents
 - a. genetic diversity
 - b. aquatic ecosystems
 - c. **CORRECT: terrestrial ecosystems**
 - d. ecosystem

11. a complete chain of successive seres beginning with a pioneer community and ending with a climax community
 - a. niche
 - b. sere
 - c. **CORRECT: prisere**
 - d. biosphere

12. the place where a particular plant or animal lives
- niche
 - fauna
 - CORRECT: habitat**
 - flora
13. a group of closely allied plant or animal types that can reproduce with each other
- niche
 - CORRECT: species**
 - biomes
 - sere
14. the study of the interactions of living organisms with each other, and with their habitats and environments
- CORRECT: ecology**
 - biomes
 - biomass
 - flora
15. the development of a disclimax community once an original community has been removed or destroyed
- CORRECT: secondary succession**
 - primary succession
 - succession
 - ecosystem
16. natural changes in the structure and species composition of a community over time
- species
 - sere
 - biomes
 - CORRECT: succession**
17. large mammals and birds such as those thought to have occupied Australia up to 10 000 to 30 000 years ago
- CORRECT: megafauna**
 - flora
 - fauna
 - sere

18. the position and function of a plant or animal in its community
- biomes
 - flora
 - sere
 - CORRECT: niche**
19. the variety of life, encompassing the different plants, animals and micro-organisms, their genes and the ecosystems of which they form a part
- species diversity
 - climax community
 - CORRECT: biological diversity**
 - genetic diversity
20. the process by which plants collect energy from the sun and use it to combine carbon dioxide with water to produce organic nutrients
- ecosystem
 - biosphere
 - CORRECT: photosynthesis**
 - biomes
21. the end product of succession; a community that is in equilibrium with its environment
- biological diversity
 - biomass
 - primary succession
 - CORRECT: climax community**
22. the surface zone of the earth and its adjacent atmosphere, in which all organic life exists
- prisere
 - biomes
 - sere
 - CORRECT: biosphere**

23. the inherited variation that occurs within populations of species as a result of different genes or biological combinations
- species
 - species diversity
 - biological diversity
 - CORRECT: genetic diversity**
24. very large ecosystems made up of specific vegetation types and their associated fauna
- niche
 - biomass
 - CORRECT: biomes**
 - species
25. the community that results when a climax community becomes modified or displaced
- CORRECT: disclimax**
 - species
 - biomass
 - niche
26. plants originally found in an area
- habitat
 - CORRECT: natural vegetation**
 - primary succession
 - succession