

Name _____ Date _____ Period _____

Chapter 15 Concept Review

BIOLOGY

Directions: Answer the following questions using your notes and textbook

1. _____ - part of Earth where life exists
 - a. Includes all _____ and _____ - _____ parts
 - b. _____ - collection of just living things in biosphere
2. Earth has _____ major connected systems
 - a. _____ - part of Earth where life exists
 - b. _____ - all of Earth's water, ice, water vapor
 - c. _____ - the air blanketing Earth's solid and liquid surface
 - d. _____ - features of Earth's surface (continents, rocks, sea floor, and everything below Earth's surface)
3. _____ is the prevailing weather of a region
4. Weather- _____ to _____ conditions
5. Earth has three main climate zones. Use average _____ and _____ to categorize
 - a. _____ zone -in far northern and southern regions
 - b. _____ zone- surrounds the equator
 - c. _____ zone- wide area between polar and tropical zones
6. Earth's surface heated unevenly. Hottest portion where sun strikes _____
7. Warm air (and water) _____ and cold air (and water) _____
8. _____ areas tend to have smaller changes in temperature (moderated by oceans)
9. Earth has 6 major biomes- Each biome characterized by certain set of _____ factors, ecosystems
10. Tropical Rain Forest Biome- _____ temperatures, abundant _____ all year, lush forests

11. Grassland Biome- primary plant life is _____. Occurs in variety of climates
12. Desert Biome- _____ environment, little _____, four types: hot, semi-arid, coastal, and cold
13. Temperate Forests- Include deciduous forests and rain forests. Temperate deciduous forests have _____ summers and _____ winters. Deciduous trees are the dominant plant species
14. Taiga- Found in cool _____ climates. Long winters, short summers. _____ amount of precipitation
15. _____ - Far northern latitudes with long winters (10 months) limited precipitation, permafrost
16. _____ ice caps- have no soil and do not have specific plant community
 - a. Found at _____ (north and south)
 - b. Most animals depend on _____ for food
17. Ocean divided into open sea (_____) and ocean floor (_____ zone)
18. Divided between areas that receive light (_____ zone) and those that do not (_____ zone)
19. Coral Reefs- found within tropical zone and contains large _____
20. _____ Forests- found in cold, nutrient rich waters
21. _____ - partially enclosed body of water formed where a river flows into the ocean
22. Estuaries are a _____ of fresh and salt water
23. River carries lots of _____
24. Large numbers of _____ thrive and are highly productive ecosystems
25. Freshwater ecosystems include _____ and _____ water