**Part 2 - Ecosystems: Diversity within the Biomes**

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date:\_\_\_\_\_\_\_\_\_\_\_Class:\_\_\_\_\_\_\_\_\_\_

**Hierarchy:**

![C:\Documents and Settings\Administrator\Local Settings\Temporary Internet Files\Content.IE5\4XX2HCZS\MC900435570[1].wmf]()Within each ecosystem, individual organisms can be found such as a single water lily.

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A group of organisms of the same species, living and reproducing together is called a population such as a pond full of water lilies.

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A community is made up of several populations that live and interact in the same area. All the different organisms that live in the pond make up the pond community. The pond community might include lilies, cattails, dragonflies, turtles, fish and more

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An ecosystem includes the biotic communities and the abiotic factors of the environment that an organism comes from. For example the pond ecosystem includes abiotic factors such as soil, precipitation, temperature, etc. as well as biotic communities that live there such as lilies, fish, insects, and more.

![C:\Documents and Settings\Administrator\Local Settings\Temporary Internet Files\Content.IE5\4XX2HCZS\MC900438504[1].jpg]()We’ve also already pointed out that several ecosystems make up a biome just as the Great Lakes region is part of the temperate forest biome. Within each ecosystem there are also habitats such as forests, prairies, wetlands, dunes, and more but together it’s all part of the larger biome. The earth is a patch work of many biomes with features based on mountain ranges, large bodies of water, and most importantly the distance from the equator. All of these biomes collectively make up the biosphere, or the layer of the earth that supports life.

Matching: Match the key term to the definition:

1. Biome
2. Population
3. Organism
4. Community
5. Biosphere
6. Ecosystem
7. \_\_\_\_\_B\_\_\_\_\_\_\_ Made up of organisms of the same species living and reproducing together
8. \_\_\_\_F\_\_\_\_\_\_\_\_ Many of these together make up biomes
9. \_\_\_\_E\_\_\_\_\_\_\_\_ The layer of the earth that supports life.
10. \_\_\_\_\_D\_\_\_\_\_\_\_ Made up of populations that live and interact in the same area
11. \_\_\_\_A\_\_\_\_\_\_\_\_ Made up of several ecosystems
12. \_\_\_\_\_C\_\_\_\_\_\_\_ Many of these living and reproducing together make up populations

**Sketch It:**

**Sketch** each level of the environment. Then **put each level in order** from smallest (#1) to largest (#6)

|  |  |
| --- | --- |
| Community: #\_\_\_\_3\_\_\_\_\_\_ | Biome: #\_\_\_\_5\_\_\_\_\_\_ |
| Biosphere: #\_\_\_\_6\_\_\_\_\_\_ | Ecosystem: #\_\_\_\_4\_\_\_\_\_\_ |
| Organism: #\_\_\_\_1\_\_\_\_\_\_ | Population: #\_\_\_\_\_2\_\_\_\_\_ |