**Unit 2 Practice test**

1. **If you visited this biome, you would likely see large herds of grazing animals, such as rhinos, gazelles, and giraffes. Which biome is it?**
2. **The distance north or south of the equator, as measured in degrees, is called\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**
3. **Why doesn’t photosynthesis occur in deep ocean water?**
4. **An example of a population is…(remember what defines a population)**
5. **The role of an organism in its environment is known as its\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**
6. **A biology class measured the pH of the water in four ponds. The data are recorded in the table below.**

**pH of Pond Water**

**Pond pH**

**1 6.0**

**2 7.5**

**3 7.0**

**4 5.3**

**Which pond has the most acidic water? Which pond has the least acidic water?**

1. **What is an abiotic factor that affects the organisms in the estuary ecosystem?**
2. **What is permafrost?**
3. **A classroom has 30 chairs. 32 students have been enrolled in the class. Assume that the chair is necessary for the students to “live” in the classroom. What is the limiting factor in this example**?
4. **Which terrestrial biome is the most biodiverse? Which aquatic biome is the most biodiverse?**
5. **The maximum number of organisms an environment can support is its\_\_\_\_\_\_\_.**
6. **A primary abiotic limiting factor of the tundra biome is\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**
7. **Threats to ocean ecosystems are**

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| 1. nutrient runoff and industrial waste discharges. |
| 1. overfishing and entanglement of marine mammals in trawl nets. |
| 1. sewage and algal blooms. |
| 1. All of the above 2. **Name as many density-dependent and density-independent limiting factors as you can.** |

1. **Would you find evergreen trees in the tropical rainforest? Why or why not?**
2. **What are niche and habitat? Are they the same thing?**
3. **Locations of biomes are usually determined by 2 factors, What are they?**
4. **Which biome has the poorest soil?**
5. **What is another name for the taiga?**
6. **Coastal bodies of water, partially surrounded by land, in which fresh and salt water mix, are \_\_\_\_\_\_\_\_\_\_.**
7. **Populations that grow at an ever-increasing pace experience \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ growth.**
8. **The majority of marine organisms are found in what type of waters?**
9. **A primary abiotic limiting factor of the tundra biome is\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**