Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Pd. \_\_\_

Unit D : Ecology, Chapter 1.1 (pgs. D6-D13)

1. **Explore Your Environment** – How much can temperature vary in one place?
   1. Choose three different locations inside your classroom where you can measure temperature.
   2. Place a thermometer at each location. Wait for at least TWO minutes. Record the locations and their temperatures.

Location 1 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Temp. \_\_\_\_\_\_\_\_

Location 2 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Temp. \_\_\_\_\_\_\_\_\_

Location 3 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Temp. \_\_\_\_\_\_\_\_\_

* 1. Compare the data you and your classmates have collected.
  2. Which location was the warmest? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
  3. Which location was the coldest? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
  4. Describe what factors may have affected the temperature at each location.

1. Look at the picture on page D6. List all the living and nonliving things in the photograph.

|  |  |
| --- | --- |
| **Vocabulary Word** | **Definition** |
| Biology |  |
| Energy |  |
| Environment |  |
| Matter |  |
| Nutrient |  |
| Photosynthesis |  |
| Respiration |  |
| System |  |
| Ecology |  |
| Ecosystem |  |
| Biotic Factor |  |
| Abiotic Factor |  |

1. Draw a diagram of an ecosystem near where you live. Label the factors “biotic” or “abiotic.”
2. Give two examples of how plants and animals affect their environments.
3. Describe how temperature, light, and soil affect an ecosystem.