**General Biology II Lab**

**Exercise 5 – Seed Plants Name:**

**Before you leave the lab:**

**Gymnosperms**

1. Did you take a look at gymnosperm specimens on the lab bench? \_\_\_\_\_\_
2. What are the 4 groups of Gymnosperms?
3. What does the word “Gymnosperm” mean?
4. Observe pine cone examples on lab bench. Which one is male, which one is female?
5. Look at slide of female cone, notice the ovule on the cone scale. Slide# \_\_\_\_\_
6. Look at slide of male cone, notice pollen grains. Slide # \_\_\_\_\_

**Angiosperms**

1. Refer to Figure 5-5 and fill in the Table:

|  |  |  |
| --- | --- | --- |
|  | **Monocots** | **Eudicots** |
| **Flower Parts** |  |  |
| **Cotyledons** |  |  |
| **Root Structure** |  |  |
| **Leaf Venation** |  |  |
| **Vascular Bundles in Stem** |  |  |

1. Take a look at the Flower Model and identify key structures:
	* Sepals
	* Petals
	* Stamen (anther and filament)
	* Carpel (stigma, style, ovary, ovule)
2.  observe the Lily Anther Slide# \_\_\_\_\_\_\_ (notice the pollen grains)
3.  observe the Lily Ovule Slide# \_\_\_\_\_\_\_