**General Biology II Lab**

**Exercise 3 – Fungi Name:**

**Before you leave the lab:**

1. Did you look at all of the fungal specimens on the lab benches? \_\_\_\_\_\_\_
2. Zygomycota
	* + Include bread molds
		+ Life cycle – look at Figure 3.1
		+  *Rhizopus* Slide #\_\_\_\_\_ Compare what you see to Figure 3.1
			- Sexual reproduction – zygospore develops in zygosporangium

Magnification \_\_\_\_\_

* + - * Asexual reproduction – more common, spores develop in sporangium

 Magnification \_\_\_\_\_

1. Ascomycota
* Sac fungi
* Bread yeasts, common molds, morels
* Life cycle – look at Figure 3.2
	+ Sexual reproduction – ascospores develop in ascus
		-  *Peziza* Slide # \_\_\_\_\_\_
	+ Asexual reproduction – conidia (spores) develop in conidiophores
		- *Penicillium, Aspergillus* Slide #\_\_\_\_\_, \_\_\_\_\_

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* + Unicellular fungi – yeasts
		-  *Saccharomyces* Slide # \_\_\_\_\_\_

Magnification \_\_\_\_\_\_\_\_

1. Basidiomycota
* Mushrooms, puffballs
* Life cycle – look at Figure 3.3
	+ Asexual reproduction – same as ascomycota
	+ Sexual reproduction – basidium (along gills of basidocarp) produce basidiospores
*  *Coprinus* Slide #\_\_\_\_\_ Compare what you see to Figure 3.3

 Magnification \_\_\_\_\_\_