Biology I - diy NOTES
 Name_____

 Chpt 20.2
 Fungi Divisions

Read chapter 20.2 in your text, pages 535-543. Fill in the blanks (or answer the questions) below using the information you have read.

Division Zygomycota

1. Give and example of a member of phylum/division zygomycota.

scientific name - _____

common name - _____

2. Zygomycotes reproduce _____ by producing _____.

3. The hyphae of zygomycotes do _____ form _____ .

4.	Types of hyphae:	direction of growth & function:
	1.)	
	2.)	
	3)	

- 5. Unfavorable environmental conditions, such as drying out, cause them to reproduce ______ by forming special type of spores called
- When sexual reproduction occurs, instead of having "male" and "female" hyphae, they have _____ and _____ strains.

Division Ascomycota

- 7. Ascomycota is the _____ of fungi.
- 8. Ascomycotes are also known as ______.

_____ which hold their spores when reproducing sexually.

These spores are called _____.

9. When ascomycotes reproduce asexually, specialized hyphae called

_____ grow up from the mycelium. These develop spores

known as _____ .

- 10. Common ascomycotes include:
 - blue-green, red, and brown _____ that grow on _____ in your fridge.
 - those that cause plant diseases such as ergot of rye.
 - edible forms such as ______ and _____.
 - cup fungus (shown in figure 20.9B)
 - and the most economically important ascomycote: _____.

11. Yeast:

- _____- cellular
- rarely produce _____
- usually reproduce _____ by _____.
- are ______ and _____ sugars to produce
- _____and ethyl ______.
- 12. Name 3 uses for yeast:

Division Basidiomycota

13. Give 7 examples of Basidiomycotes mentioned in the text.

14. Basidiomycotes have	shaped hyphae called	that
produce spores known as	·	
15. Basidiomycotes are known as th	ne fungi.	
Refer to figure 20.11 p.539.		
16. What we call a "mushroom" is a	of the fungus.	
Most of the fungus is	and	
17. Most types of mushrooms have stages in their life cycle.		reproductive

18. Why are spores of mushrooms produced above ground?

Division Deuteromycota

19. Deuteromycota are also known as the "Imperfect fungi" because

Deuteromycotes have _____ known _____ stage in their life cycle.

They only reproduce _____.

20.Describe several ways Deuteromycotes are used.

21. Deuteromycotes are not always useful.

- They also cause diseases such as ringworm, athlete's foot, and infections of the hair and nails.
- They also cause plant diseases such as black spot on roses.

Mutualism: Fungi that live with other organisms

22._____ is a mutualistic relationship in which a fungus lives _____ with a _____. 23.Most fungus that form ______ are _____, but some are . 24.In a mycorrhizal relationship, the _____ of the fungus grow around or into the plant's _____. How does this benefit the plant?

25. How does the fungus benefit in a mycorrhizal relationship?

26.A ______ is a symbiotic relationship between a fungus, usually and

	, which is an	·
27.Lichens need only	, and	to
grow.		
28.The	partner provides the	for
organisms.		
29. The fungus provides	and	and
them	from changes in	· · · · ·
30.Lichens are found 31.Lichens are	, because they are often	the first to
32. They live in a variety of	habitats such as in in arid	, on bare
33. They are an important fo	ood source to large animals such a	15 ·
and	·	
34.Lichens are also an impor	tant indicator of	·

How?