

Final Schedule:

<u>Hour</u>	<u>Review</u>	<u>Final</u>
1st	Friday 5-20 7:55	Monday 5-23 7:55
2nd	Tuesday 5-24 7:55	Wednesday 5-25 7:55
3rd	Friday 5-20 10:03	Monday 5-23 10:03
4th	Tuesday 5-24 10:03	Wednesday 5-25 10:03
5th	Monday 5-23 11:34	Tuesday 5-24 11:34
7th	Thursday 5-19 1:35	Friday 5-20 1:35

Final Exam Information:

Test value will be 340 points (approximately 15% of your grade).

There will be 85 comprehensive Multiple Choice questions (4 points each).

You will receive a study/review sheet on 5-17. You may use this document on the test.

You must complete your final during your assigned testing time.

Fill out this review sheet to use on the test. Use other paper if you need more room. You will turn this review in with your test.

Possible topics to be covered:**Chapter 1**

1. What is biology?
2. Characteristics of living things.
3. Steps in the scientific method.

Chapter 2

1. What is an atom
2. compound
3. bond
4. element
5. isotope
6. electron
7. proton
8. neutron
9. Properties of water.

Chapter 7

1. Three points of the cell theory.

2. Two basic cell types.
3. Who discovered the cell?
4. Basic cell structures.
 - a. Nucleus
 - b. Mitochondria
 - c. Chloroplast
 - d. Ribosome
 - e. Cell membrane
 - f. Cell wall
 - g. Lysosome
 - h. Golgi apparatus
 - i. ER
 - j. Vacuole
5. Differences between plant and animal cells?

Chapter 7 Continued.

1. What is diffusion,
2. osmosis,
3. passive transport
4. active transport

Possible topics to be covered in general questions (comprehensive):

Chapter 8-9

1. What is ATP?
2. What is photosynthesis?
3. What is Aerobic Respiration?

Chapter 10

5. The Cell Cycle----What is mitosis?

Chapter 11

1. Who is Gregor Mendel?

2. Phenotype
3. genotype
4. punnett square
5. dihybrid cross
6. monohybrid cross
7. What is meiosis?

Chapter 12

1. What is DNA?
2. Shape of DNA
3. Where is it located, function, chemical makeup (Nucleotides and base pairs)?

Chapter 18

1. Classification hierarchy.
2. What is taxonomy?

Chapter 20

1. Characteristics of viruses
2. Characteristics of bacteria

Chapter 21

1. Characteristics of Protista
2. Examples of members
3. What is the main function of Fungi?

Chapter 25

1. Characteristics of an Animal

Possible Dissection Questions:

1. The frog is classified as an _____.
2. Female frogs have more fat bodies for what purpose?
3. What does the starfish use to breathe with?
4. The earthworm uses these hair-like structures to move with?
5. The frog's liver has how many lobes?
6. What type of symmetry does the adult starfish have?
7. What structure inside of the Earthworm helps it to grind up food?
8. What structure inside of the Frog collects bile from the liver?
9. What kind of eye does the Crayfish have?
10. What are the two parts that make up the Crayfish's tail?
11. Why is the dorsal skin of the frog camouflaged?
12. Where does the glottis lead in the frog?
13. What two structures are found in each arm of the starfish?
14. Which canal connects the Madreporite plate with the ring canal in the starfish?
15. What structure do frogs breathe with?
16. Which structure in the frog looks like Ramen Noodles?
17. What do crayfish use to breathe with?
18. What are the characteristics of the Arthropod Phylum?
19. What are the characteristics of the class Amphibia?
20. What are the characteristics of the Annelid Phylum?
21. What kind of eyes do Crayfish have?
22. What is the function of the clitellum in the earthworm?
23. What structure do the eustachian tubes lead to in the frog?
24. How is the tongue attached in the frog?
25. What kind of appendages does the Crayfish have?
26. Be able to identify the following structures:
 - Earthworm: mouth, crop, gizzard, intestines, hearts, seminal vesicles
 - Crayfish: Chelipeds, abdomen, antenna, gills, walking legs, telson, uropods, compound eyes
 - Starfish: mouth, gonads, digestive glands, radial canal, ring canal, tube feet, stone canal, stomach
 - Frog: liver, heart, stomach, gallbladder, kidney, spleen, intestines, testes, ovaries, lungs