

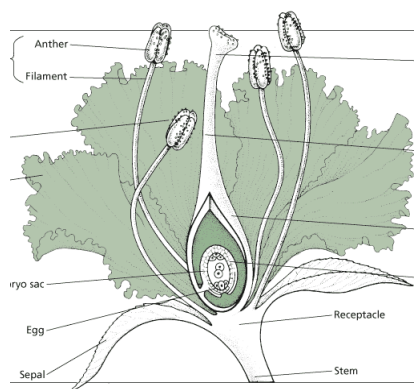
Bio I
EOC Review #6: Plant/Human Physiology and Animal Behavior

Plant Physiology

1. What three things could one look for to distinguish between a plant and an animal cell? (pg. 605)
2. True plants are made up of roots, stems, and leaves. Explain the function of each. (pg. 612)
3. List and explain the two types of roots. (pg. 612)
4. Diagram and label the parts of a simple leaf. How is a compound leaf different? (pg. 618)
5. Leaves can have two types of venation patterns. List and explain both. (pg. 620)
6. What is a cotyledon? (pg. 655)
7. Fill in the chart below with the appropriate information (pg. 595)

	<i>Seed leaves present</i>	<i>Veins in leaves</i>	<i>Type of root</i>	<i>Example</i>
<i>Monocotyledon</i>				
<i>Dicotyledon</i>				

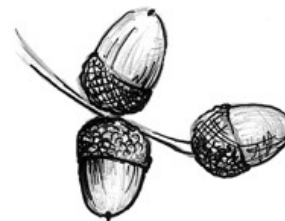
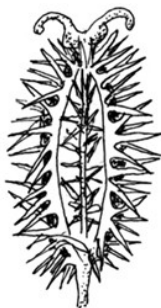
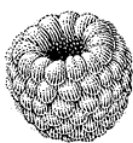
8. Vascular tissue is made up of xylem and phloem. What is the difference between these two types of tissue? (pg. 608)
9. What is dermal tissue? What is its function? (pg. 607)
10. Diagram the process of alternation of generations. Be sure to list each stage as being haploid or diploid and where mitosis and meiosis occur. (pg. 562)
11. Examine Figure 1. Label the appropriate structures of the flower. (pg. 642)



12. Stomata can be found on the underside of leaves. What is the function of stomata? How does this relate to the process of transpiration? (pg. 607)
13. Fill in the chart with appropriate information (pg. 624)

<i>Tropism</i>	<i>Definition</i>	<i>Example</i>
<i>Phototropism</i>		
<i>Gravitropism</i>		
<i>Thigmotropism</i>		
<i>Nastic movement</i>		

14. Seeds can be dispersed in a variety of ways. Examine the seeds below and determine their method of dispersal. Explain your answer. (pg. 654)



- pg. 630 – Understanding Main Concepts #6,11,12 (ANSWERS: d,a,a)
- pg. 631 – End-of-Course Test Practice #17-20 (ANSWERS: a,c,a,c)
- pg. 662 – Understanding Main Concepts #6,7,9,13 (ANSWERS: b,b,c,a)
- pg. 663 – End-of-Course Test Practice #19-24 (ANSWERS: d,b,a,d,b,a)
- pg. 668 – Standardized Test Practice #1-9 (ANSWERS: d,b,c,a,c,a,a,d)

Human Physiology

1. The human skeleton can be divided up into two main parts. List and differentiate these. (pg. 899)
2. What is the difference between tendons and ligaments? (pg. 899)
3. There are four types of body tissue that make up the skin. These include epithelial, connective, muscular, and nervous tissues. Explain the function of each. (pg. 893)
4. What are the two main layers of the skin? (pg. 893)
5. The body is made up of three types of muscle. List and explain the difference between each (pg. 905)
6. Respiration includes all the mechanisms involved in getting oxygen to the cells of your body and getting rid of carbon dioxide. This is accomplished by the work of the following organs working together: lungs, alveoli, nose/mouth, epiglottis, bronchial tubes, and trachea. Place these in the correct order starting from the nose/mouth (pg. 972)
7. What is the difference between red blood cells, white blood cells, and platelets? (pg. 975)
8. What is the difference between arteries, veins, and capillaries? 9pg. 979)
9. The main function of the digestive system is to breakdown the food you eat into a usable form. Some of the organs work together to accomplish this task include the following: anus, pancreas, esophagus, tongue, large intestine, liver, teeth, stomach, small intestine, and gall bladder. Place these organs in the proper order starting with the mouth. Include a brief description of the function of each organ. (pg. 918)
10. What is the function of the following systems: endocrine, nervous, and immune? (pg. 929, 943, 1031)

READ the Biodigest on pgs. 1048-1055

- pg. 915 - End-of-Course Test Practice #19-23 (ANSWERS: c,c,d,a,c)
- pg. 941 - End-of-Course Test Practice #22-26 (ANSWERS: c,b,a,c,d)
- pg. 969 – End-of-Course Test Practice #19-24 (ANSWERS: b,c,a,b,a,d)
- pg. 993 – End-of-Course Test Practice #18-24 (ANSWERS: b,d,b,d,d,b)
- pg. 1021 – End-of-Course Test Practice #18-23 (ANSWERS: a,c,d,d,d,b)
- pg. 1047 - End-of-Course Test Practice #17-21 (ANSWERS: a,d,b,a,d)
- pg. 1055 – Standardized Test Practice #1-14 (ANSWERS: c,b,c,a,d,c,a,d,c,d,b,a,a)

Animal Behavior

1. What is the difference between an inherited/instinctive behavior and a learned behavior? (pg. 860, 862)
2. Fill in the chart with the appropriate information (pg. 862)

<i>Behavior</i>	<i>Definition</i>	<i>Example</i>
<i>Courtship behavior</i>		
<i>Territoriality</i>		
<i>Aggressive behavior</i>		
<i>Dominance Hierarchy</i>		
<i>Circadian rhythm</i>		
<i>Migration</i>		
<i>Hibernation</i>		
<i>Estivation</i>		
<i>Imprinting</i>		
<i>Trial and Error</i>		
<i>Conditioning</i>		
<i>Insight</i>		

- pg. 878 – Understanding Main Concepts #6-11 (ANSWERS: b,a,d,c,c,b)
- pg. 879 – End-of-Course Test Practice #18-21 (ANSWERS: a,b,c,a)