

PHASE 2 INSTRUCTIONAL CONTINUITY PLAN

Beginning April 16, 2020



**Anatomy & Physiology
Anatomy and Physiology Honors**

TEXTBOOK CHECKOUT: *Hole's Essentials of Human Anatomy and Physiology- McGraw Hill*

SCHOOL NAME: _____

STUDENT NAME: _____

TEACHER NAME: _____

Anatomy and Physiology

Topic: Ecology		
Lesson	Assignment	Date Completed
11: Introduction to the Reproductive System	<p>Read textbook Pages 575-578 in your textbook.</p> <p>Task 1: Draw and label the major organs of the male reproductive system.</p> <p>Task 2: Based on the reading <i>outline the process of spermatogenesis</i>.</p> <p>Assessment: Complete the <i>Practice</i> questions on page 578 questions 1 – 3.</p> <p>Honors : Complete the above work. In addition, read the “Career Corner” on page 577. Answer the <i>Consider This</i> task at the end of the reading.</p>	
12: Formation of sperm cells	<p>Read textbook pages 579-583 in your textbook.</p> <p>Task 1: Describe the structure of a sperm cell.</p> <p>Task 2: Explain the function of the supporting cells in the seminiferous tubules.</p> <p>Assessment: Complete the <i>Practice</i> questions on page 583, questions 7-12.</p> <p>Honors: Complete the above work. In addition, outline the developmental sequence of sperm cells; use page 581 as your guide.</p>	
13: Male External Accessory Reproductive Organs	<p>Read pages 583-586 in your textbook.</p> <p>Task 1: What controls blood flow into the penile erectile tissue?</p> <p>Task 2: What is the function of the prostate gland?</p> <p>Assessment: Complete the <i>Practice</i> questions on page 586 questions 1-4.</p>	
14: Female Reproductive System	<p>Read pages 587-589 in your textbook.</p> <p>Task 1: Draw and label the parts of the female reproductive system.</p> <p>Task 2: Explain the role of the ovary and the major events of oogenesis.</p>	

	<p>Assessment: Complete the <i>Practice</i> questions on page 589 questions 5-7.</p> <p>Honors: Complete the above work. In addition, compare and contrast spermatogenesis and oogenesis.</p>	
15: Female Internal Accessory Organs	<p>Read pages 590-593 in your textbook.</p> <p>Task 1: Describe the structure and function of the uterus.</p> <p>Task 2: Explain how a secondary oocyte moves along the uterine wall .</p> <p>Assessment: Complete the <i>Practice</i> questions on page 593 questions 11-14.</p>	
16: Hormonal Control of Female Reproductive Functions	<p>Read pages 593-597.</p> <p>Task 1: Answer the following question: <i>What stimulates sexual maturation in a female?</i></p> <p>Task 2: Compare the two hormones, estrogen and testosterone.</p> <p>Assessment: Complete the <i>Practice</i> questions on page 597 and answer questions 4-6.</p> <p>Honors: Complete the above work. In addition, explain the function of androgen in a female.</p>	
17: Mammary Glands and Birth Control	<p>Read pages 598-603 in your textbook.</p> <p>Task 1: Draw and label the major structures of the female breast and mammary glands.</p> <p>Task 2: Describe several methods of birth control, including the relative effectiveness of each method.</p> <p>Assessment: Complete <i>Practice</i> questions on page 603 questions 1-4.</p> <p>Honors: Complete the above work. In addition, Read the <i>Treating Breast Cancer</i> article on page 600 and 601. Answer the <i>Concept Connection</i> questions on page 601.</p>	
18: Sexually Transmitted Infections	<p>Read pages 603-605 in your textbook</p> <p>Task 1: List some common sexually transmitted diseases.</p>	

	<p>Task 2: How does the reproductive system interact with the cardiovascular system and digestive system?</p> <p>Assessment: Complete <i>Practice</i> questions on page 604 questions 1-2.</p>	
19: Chapter Review Part 1	<p>Review: Chapter 19</p> <p>Task 1: Read the chapter outline on page 606.</p> <p>Task 2: Read the chapter outline on page 607.</p> <p>Assessment: Write a two- paragraph summary of what you learned in this chapter .</p>	
20: Chapter Review Part 2	<p>Review: Chapter 19</p> <p>Task 1: Read the chapter outline on page 608.</p> <p>Assessment: Complete the <i>Chapter Assessments</i> questions on page 609. There is a total of 18 questions.</p> <p>Honors: Complete the above work. In addition, Read the Lab Data Analysis on page 610 and answer questions 1-2</p>	

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21: Pregnancy, Growth, Development and Genetics	<p>Read textbook page 611 in your textbook.</p> <p>Task 1: Write a brief summary of the content read on page 611.</p> <p>Task 2: Review the vocabulary terms on page 611. Which terms have you learned in previous chapters?</p> <p>Assessment: Based on the chapter title and introduction, write 3 things you hope to learn from this chapter.</p> <p>Honors: Complete the above work. In addition, answer the following question: <i>All living organisms share key characteristics, including reproduction, development and growth. Explain how these characteristics distinguish a living thing from a non-living thing</i></p>	
22: Career Corner	<p>Read the <i>Career Corner</i> from the textbook on page 612</p> <p>Task 1: Answer the Consider This question on page 612.</p>	

	<p>Assessment: Using the text, chapter 20 create a timeline of human development, from fertilization to adulthood. Use average ages for various stages of development and indicate the defining characteristics of each stage of development.</p>	
23: Chapter 20 Introduction	<p>Read pages 612-613 in your textbook.</p> <p>Task 1: Distinguish between growth and development.</p> <p>Task 2: When is the beginning and ending of the postnatal period?</p> <p>Assessment: Complete the <i>Practice</i> questions on page 613 questions 1-3.</p> <p>Honors: Complete the above work. In addition, describe 3 assisted reproductive technologies used to achieve fertilization.</p>	
24: Pregnancy and Prenatal Period	<p>Read pages 614-616 in your textbook.</p> <p>Task 1: How long does the prenatal period of development usually last?</p> <p>Task 2: Compare and contrast the following terms: zygote, morula and blastocyst.</p> <p>Assessment: Complete the <i>Practice</i> questions on page 616 questions 1-3.</p> <p>Honors: Complete the above work. In addition, from the previous chapter identify the hormones or biomarkers that might be measured to confirm pregnancy.</p>	
25: Embryonic Membrane Formation and Placentation	<p>Read pages 616-618 in your textbook.</p> <p>Task 1: Draw and label the stages of early human prenatal development.</p> <p>Task 2: Explain the importance of implantation.</p> <p>Assessment: Complete the <i>Practice</i> questions on page 618 questions 4-7.</p>	
26: Gastrulation and Organogenesis Gastrulation	<p>Read pages 619-620.</p> <p>Task 1: List the structures produced by each of the primary germ layers.</p>	

	<p>Task 2: Explain the function of the umbilical cord.</p> <p>Assessment: Complete the <i>Practice</i> questions on page 620 answer questions 8-10.</p> <p>Honors: Complete the above work. In addition, explain the function and the importance of the placenta.</p>	
27: Fetal Stage	<p>Read pages 620-622 in your textbook.</p> <p>Task 1: Compare and contrast the terms embryo and fetus.</p> <p>Task 2: Approximately how big is a human embryo in the 8th week of development?</p> <p>Assessment: Complete <i>Practice</i> questions on page 622 questions 11-12.</p> <p>Honors: Complete the above work. In addition, explain the function of the amniotic fluid.</p>	
28: Fetal Blood and Circulation	<p>Read pages 622-624 in your textbook</p> <p>Task 1: Does the mother's blood mix with the fetal blood? Explain.</p> <p>Task 2: Using table 20.3 summarize the major features of fetal circulation?</p> <p>Assessment: Complete <i>Practice</i> questions on page 624 questions 13-15.</p>	
29: Maternal Changes During Pregnancy and Birth Process	<p>Read pages 624-625 in your textbook</p> <p>Task 1: What are 5 hormonal changes that occur during pregnancy?</p> <p>Task 2: What are the sources of hormones that sustain the uterine wall during pregnancy?</p> <p>Assessment: Complete <i>Practice</i> questions on page 625 questions 18-20.</p> <p>Honors: Complete the above work. In addition, examine the graph in figure 20.14. Write a summary of what that graph is showing.</p>	
30: Milk Production and Secretion	<p>Read pages 626-627 in your textbook</p>	

	<p>Task 1: Explain why human milk is the best possible food for human babies.</p> <p>Task 2: Draw and label a myoepithelial cell releasing milk.</p> <p>Assessment: Complete <i>Practice</i> questions on page 627 questions 21-23.</p> <p>Honors: Complete the above work. In addition, write a one paragraph summary of prenatal period.</p>	
31: Postnatal Period; Neonatal Period	<p>Read pages 627-628 in your textbook.</p> <p>Task 1: Describe the major cardiovascular and other physiological adjustments in the newborn.</p> <p>Task 2: Compare the terms neonatal and postnatal.</p> <p>Assessment: Complete the <i>Practice</i> questions on page 628 questions 1-4.</p>	
32: Aging; Passive Aging and Genetics	<p>Read pages 629-631.</p> <p>Task 1: How is aging a passive process?</p> <p>Task 2: How is aging an active process?</p> <p>Assessment: Complete the <i>Practice</i> questions on page 631 answer questions 1-3.</p> <p>Honors: Complete the above work. In addition, List 5 body systems and the age-related changes associated with each body system.</p>	
33: Modes of Inheritance	<p>Read pages 631-6-33 in your textbook.</p> <p>Task 1: Explain the meaning of the phrase “modes of inheritance”</p> <p>Task 2: Compare and contrast dominant and recessive alleles and give examples of each.</p> <p>Assessment: Complete <i>Practice</i> questions on page 633 questions 5-6.</p> <p>Honors: Complete the above work. In addition, read the Genetic Engineering article on page 632 and write three things learned from the reading.</p>	
34: Multifactorial Traits	<p>Read pages 633-634 in your textbook</p>	

	<p>Task 1: Why is height a polygenetic trait?</p> <p>Task 2: Explain how environmental factors can influence genetic traits. Give 2 examples.</p> <p>Assessment: Complete <i>Practice</i> questions on page 634 questions 7-8</p>	
35: Chapter 20 Review Part 1	<p>Review: Chapter 20</p> <p>Task 1: Read the summary on page 635 under sections 20.2 and 20.3.</p> <p>Assessment: Complete the <i>Chapter Assessments</i> questions on page 637. There is a total of 27 questions on page 637. Complete the first 15 questions.</p>	
36: Chapter Review Part 2	<p>Review: Chapter 20</p> <p>Task 1: Read the summary on page 636.</p> <p>Assessment: Complete the remaining <i>Chapter Assessments</i> questions on page 637.</p> <p>Honors: Complete the above work. In addition, Read complete the <i>Integrative Assessment</i> questions 1-5 on the bottom of page 637.</p>	
37: Lab Data Analysis; Integrative Assessments	<p>Read page 638 in your textbook</p> <p>Task 1: Analyze the graph on page 638.</p> <p>Assessment: Complete the Thinking Critically questions 1-3 on page 638.</p>	
38: Reflection	<p>Task 1: What study methods were most successful to you?</p> <p>Task 2: After studying all the systems of the human body, what body system in this course did you learn the most from? Please explain.</p> <p>Task 3: What does the phrase “being science literate” mean to you?</p> <p>Assessment: Why is the study of the human body important?</p>	