

Wyoming Department of Education Required Virtual Education Course Syllabus

Niobrara County School District # 1

Program Name	Wyoming Virtual Academy	Content Area	SC
Course ID	D-SCI-322V1-CEN	Grade Level	9-12
Course Name	Anatomy and Physiology II	# of Credits	0.5
SCED Code	03053G0.5022	Curriculum Type	K12 Inc

COURSE DESCRIPTION

Generally offered second semester. These courses provide a thorough introduction to the basics required for the study of the human body and how it functions. Students receive a general introduction to life functions, the terminology, and phonetic pronunciations used to describe body parts and their locations, as well as an overall review of human development and body processes. This course also includes infection control and standard precautions, which emphasizes the importance of maintaining health and safety in the health-care work environment, as well as highlights the latest practices and protocols.

WYOMING CONTENT AND PERFORMANCE STANDARDS

STANDARD#	BENCHMARK (Standard/Indicator) Use the Standards and Benchmarks as Spreadsheets
HS-LS1-1	Construct an explanation based on evidence for how the structure of DNA determines the structure of proteins which carry out the essential functions of life through systems of specialized cells.
HS-LS1-2	Develop and use a model to illustrate the hierarchical organization of interacting systems that provide specific functions within multi-cellular organisms.
HS-LS1-4	Use a model to illustrate the role of cellular division (mitosis) and differentiation in producing and maintaining complex organisms.
HS-LS1-6	Construct explanations and revise, as needed, based on evidence for: 1) how carbon, hydrogen, and oxygen may combine with other elements to form amino acids and/ or other large carbon-based molecules, and 2) how other hydrocarbons may also combine to form large carbon-based molecules.
HS-LS3-1	Ask questions to clarify relationships about the role of DNA and chromosomes in coding the instructions for characteristic traits passed from parents to offspring.
HS-PS1-5	Apply scientific principles and use evidence to provide an explanation about the effects of changing the temperature or concentration of the reacting particles on the rate at which a reaction occurs.
HS-PS1-6	Evaluate the design of a chemical system by changing conditions to produce increased amounts of products at equilibrium, and refine the design, as needed.
HS-ETS1-2	Design a solution to a complex real-world problem by breaking it down into smaller, more manageable problems that can be solved through engineering.

SCOPE AND SEQUENCE

UNIT OUTLINE	STANDARD#	OUTCOMES OBJECTIVES/STUDENT CENTERED GOALS
Chapter 12: Blood Structure and Function of Blood		List the important components of blood and their function. Describe the process of inflammation. Describe the process in blood clotting. Recognize the significance of the various blood types. Describe some disorders of the blood. Define the key words that relate to this chapter.
Chapter 12: Blood Structure and Function of Blood		List the important components of blood and their function. Describe the process of inflammation. Describe the process in blood clotting. Recognize the significance of the various blood types. Describe some disorders of the blood. Define the key words that relate to this chapter.
Chapter 12: Blood Disorders of the Blood		List the important components of blood and their function. Describe the process of inflammation. Describe the process in blood clotting. Recognize the significance of the various blood types. Describe some disorders of the blood. Define the key words that relate to this chapter.
Chapter 12: Blood Disorders of the Blood		List the important components of blood and their function. Describe the process of inflammation. Describe the process in blood clotting. Recognize the significance of the various blood types. Describe some disorders of the blood. Define the key words that relate to this chapter.
Chapter 12: Blood Chapter Homework	HS-LS1-2	List the important components of blood and their function. Describe the process of inflammation. Describe the process in blood clotting. Recognize the significance of the various blood types. Describe some disorders of the blood. Define the key words that relate to this chapter.
Chapter 12: Blood Apply Yourself		List the important components of blood and their function. Describe the process of inflammation. Describe the process in blood clotting. Recognize the significance of the various blood types. Describe some disorders of the blood. Define the key words that relate to this chapter.
Chapter 12: Blood Test Yourself	HS-LS1-2, HS-PS1-5	List the important components of blood and their function. Describe the process of inflammation. Describe the process in blood clotting. Recognize the significance of the various blood types.

		<p>Describe some disorders of the blood. Define the key words that relate to this chapter.</p>
<p>Chapter 13: Heart Structure and Function of the Heart</p>		<p>Describe the functions of the circulatory system. Describe the structure of the heart. Describe the functions of the various structures of the heart. Describe how blood is circulated through the heart to the lungs and body. Describe the conduction system of the heart. Discuss the diseases of the heart. Define the key words that relate to this chapter.</p>
<p>Chapter 13: Heart Structure and Function of the Heart</p>		<p>Describe the functions of the circulatory system. Describe the structure of the heart. Describe the functions of the various structures of the heart. Describe how blood is circulated through the heart to the lungs and body. Describe the conduction system of the heart. Discuss the diseases of the heart. Define the key words that relate to this chapter.</p>
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<p>Chapter 13: Heart Chapter Homework</p>	<p>HS-LS1-2</p>	<p>Describe the functions of the circulatory system. Describe the structure of the heart. Describe the functions of the various structures of the heart. Describe how blood is circulated through the heart to the lungs and body. Describe the conduction system of the heart. Discuss the diseases of the heart. Define the key words that relate to this chapter.</p>
<p>Chapter 13: Heart Test Yourself</p>	<p>HS-LS1-2</p>	<p>Describe the functions of the circulatory system. Describe the structure of the heart. Describe the functions of the various structures of the heart. Describe how blood is circulated through the heart to the lungs and body. Describe the conduction system of the heart. Discuss the diseases of the heart. Define the key words that relate to this chapter.</p>
<p>Chapter 14: Circulation and Blood Vessels Structure and Function of Circulation and Blood Vessels</p>		<p>Trace the path of cardiopulmonary circulation. Name and describe the specialized circulatory systems. Trace the blood in fetal circulation. List the types of blood vessels. Identify the principal arteries and veins of the body. Describe some disorders of the circulation and blood vessels. Define the key words that relate to this chapter.</p>
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<p>Chapter 14: Circulation and Blood Vessels Disorders of Circulation and Blood Vessels</p>		<p>Trace the path of cardiopulmonary circulation. Name and describe the specialized circulatory systems. Trace the blood in fetal circulation. List the types of blood vessels. Identify the principal arteries and veins of the body. Describe some disorders of the circulation and blood vessels. Define the key words that relate to this chapter.</p>
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<p>Chapter 14: Circulation and Blood Vessels Apply Yourself</p>	<p>HS-LS1-2</p>	<p>Trace the path of cardiopulmonary circulation. Name and describe the specialized circulatory systems. Trace the blood in fetal circulation. List the types of blood vessels. Identify the principal arteries and veins of the body. Describe some disorders of the circulation and blood vessels. Define the key words that relate to this chapter.</p>
<p>Chapter 14: Circulation and Blood Vessels Test Yourself</p>	<p>HS-LS1-2</p>	<p>Trace the path of cardiopulmonary circulation. Name and describe the specialized circulatory systems. Trace the blood in fetal circulation. List the types of blood vessels. Identify the principal arteries and veins of the body. Describe some disorders of the circulation and blood vessels. Define the key words that relate to this chapter.</p>
<p>Chapter 15: The Lymphatic and Immune Systems Structure and Function of the Lymphatic System</p>		<p>Describe the lymphatic system and its function. Describe the function of interstitial fluid and lymph. Describe the organs of the lymphatic system and their function. Describe the disorders of the lymphatic system. Describe immunity and the defense mechanisms of the body. Describe autoimmune diseases. Describe the cause, symptoms, and treatment of AIDS. Define the key words that relate to this chapter.</p>

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<p>Chapter 15: The Lymphatic and Immune Systems Disorders of the Lymphatic System</p>		<p>Describe the lymphatic system and its function. Describe the function of interstitial fluid and lymph. Describe the organs of the lymphatic system and their function. Describe the disorders of the lymphatic system. Describe immunity and the defense mechanisms of the body. Describe autoimmune diseases. Describe the cause, symptoms, and treatment of AIDS. Define the key words that relate to this chapter.</p>
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<p>Chapter 15: The Lymphatic and Immune Systems Structure and Function of the Immune System</p>		<p>Describe the lymphatic system and its function. Describe the function of interstitial fluid and lymph. Describe the organs of the lymphatic system and their function. Describe the disorders of the lymphatic system. Describe immunity and the defense mechanisms of the body. Describe autoimmune diseases. Describe the cause, symptoms, and treatment of AIDS. Define the key words that relate to this chapter.</p>
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<p>Chapter 15: The Lymphatic and Immune Systems Chapter Homework</p>	<p>HS-LS1-2</p>	<p>Describe the lymphatic system and its function. Describe the function of interstitial fluid and lymph. Describe the organs of the lymphatic system and their function. Describe the disorders of the lymphatic system. Describe immunity and the defense mechanisms of the body. Describe autoimmune diseases. Describe the cause, symptoms, and treatment of AIDS. Define the key words that relate to this chapter.</p>
<p>Chapter 15: The Lymphatic and Immune Systems Apply Yourself</p>		<p>Describe the lymphatic system and its function. Describe the function of interstitial fluid and lymph. Describe the organs of the lymphatic system and their function. Describe the disorders of the lymphatic system. Describe immunity and the defense mechanisms of the body. Describe autoimmune diseases. Describe the cause, symptoms, and treatment of AIDS. Define the key words that relate to this chapter.</p>
<p>Chapter 15: The Lymphatic and Immune Systems Test Yourself</p>	<p>HS-LS1-2</p>	<p>Describe the lymphatic system and its function. Describe the function of interstitial fluid and lymph. Describe the organs of the lymphatic system and their function. Describe the disorders of the lymphatic system. Describe immunity and the defense mechanisms of the body. Describe autoimmune diseases. Describe the cause, symptoms, and treatment of AIDS. Define the key words that relate to this chapter.</p>
<p>Chapter 16: Infection Control and Standard Precautions Infection Control and Standard Precautions</p>		<p>Describe six types of pathogenic microorganisms. Explain the infectious process and the chain of infection. Describe methods to break the chain of infection. Describe the stages of infection. Explain standard precautions. Define the key words that relate to this chapter.</p>
<p>Chapter 16: Infection Control and Standard Precautions Infection Control and Standard Precautions</p>		<p>Describe six types of pathogenic microorganisms. Explain the infectious process and the chain of infection. Describe methods to break the chain of infection. Describe the stages of infection. Explain standard precautions. Define the key words that relate to this chapter.</p>

Chapter 16: Infection Control and Standard Precautions Chapter Homework	HS-LS1-2	Describe six types of pathogenic microorganisms. Explain the infectious process and the chain of infection. Describe methods to break the chain of infection. Describe the stages of infection. Explain standard precautions. Define the key words that relate to this chapter.
Chapter 16: Infection Control and Standard Precautions Test Yourself	HS-LS1-2	Describe six types of pathogenic microorganisms. Explain the infectious process and the chain of infection. Describe methods to break the chain of infection. Describe the stages of infection. Explain standard precautions. Define the key words that relate to this chapter.
Chapter 17: Respiratory System Structure and Functions of the Respiratory System		Describe the functions of the respiratory system. Describe the structures and functions of the organs of respiration. Explain the breathing and respiratory process. Discuss how breathing is controlled by neural and chemical factors. Discuss respiratory disorders. Define the key words that relate to this chapter.
Chapter 17: Respiratory System Structure and Functions of the Respiratory System		Describe the functions of the respiratory system. Describe the structures and functions of the organs of respiration. Explain the breathing and respiratory process. Discuss how breathing is controlled by neural and chemical factors. Discuss respiratory disorders. Define the key words that relate to this chapter.
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Chapter 17: Respiratory System Disorders of the Respiratory System		Describe the functions of the respiratory system. Describe the structures and functions of the organs of respiration. Explain the breathing and respiratory process. Discuss how breathing is controlled by neural and chemical factors. Discuss respiratory disorders. Define the key words that relate to this chapter.
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<p>Chapter 17: Respiratory System Chapter Homework</p>	<p>HS-LS1-2</p>	<p>Describe the functions of the respiratory system. Describe the structures and functions of the organs of respiration. Explain the breathing and respiratory process. Discuss how breathing is controlled by neural and chemical factors. Discuss respiratory disorders. Define the key words that relate to this chapter.</p>
<p>Chapter 17: Respiratory System Apply Yourself</p>		<p>Describe the functions of the respiratory system. Describe the structures and functions of the organs of respiration. Explain the breathing and respiratory process. Discuss how breathing is controlled by neural and chemical factors. Discuss respiratory disorders. Define the key words that relate to this chapter.</p>
<p>Chapter 17: Respiratory System Test Yourself</p>	<p>HS-LS1-2</p>	<p>Describe the functions of the respiratory system. Describe the structures and functions of the organs of respiration. Explain the breathing and respiratory process. Discuss how breathing is controlled by neural and chemical factors. Discuss respiratory disorders. Define the key words that relate to this chapter.</p>
<p>Chapter 18: Digestive System Structure and Functions of the Digestive System</p>		<p>Describe the general function of the digestive system. List the structures and the functions of the digestive system. Describe the action of the enzymes on carbohydrates, fats, and proteins. Trace food from the beginning of the digestive process to the end. Describe common disorders of the digestive system. Define the key words that relate to this chapter.</p>
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<p>Chapter 18: Digestive System Chapter Homework</p>	<p>HS-LS1-2</p>	<p>Describe the general function of the digestive system. List the structures and the functions of the digestive system. Describe the action of the enzymes on carbohydrates, fats, and proteins. Trace food from the beginning of the digestive process to the end. Describe common disorders of the digestive system. Define the key words that relate to this chapter.</p>

<p>Chapter 18: Digestive System Apply Yourself</p>		<p>Describe the general function of the digestive system. List the structures and the functions of the digestive system. Describe the action of the enzymes on carbohydrates, fats, and proteins. Trace food from the beginning of the digestive process to the end. Describe common disorders of the digestive system. Define the key words that relate to this chapter.</p>
<p>Chapter 18: Digestive System Test Yourself</p>	<p>HS-LS1-2, HS-PS1-5, HS-PS1-6</p>	<p>Describe the general function of the digestive system. List the structures and the functions of the digestive system. Describe the action of the enzymes on carbohydrates, fats, and proteins. Trace food from the beginning of the digestive process to the end. Describe common disorders of the digestive system. Define the key words that relate to this chapter.</p>
<p>Chapter 19: Nutrition Nutrition</p>		<p>Define the term nutrients. Describe the function(s) of the different types of nutrients. Differentiate between the fat-soluble and water-soluble vitamins. List the recommendations of the Dietary Guidelines for Americans. Explain BMR and BMI. Define the key words that relate to this chapter.</p>
<p>Chapter 19: Nutrition Nutrition</p>		<p>Define the term nutrients. Describe the function(s) of the different types of nutrients. Differentiate between the fat-soluble and water-soluble vitamins. List the recommendations of the Dietary Guidelines for Americans. Explain BMR and BMI. Define the key words that relate to this chapter.</p>
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<p>Chapter 19: Nutrition Chapter Homework</p>	<p>HS-LS1-2</p>	<p>Define the term nutrients. Describe the function(s) of the different types of nutrients. Differentiate between the fat-soluble and water-soluble vitamins. List the recommendations of the Dietary Guidelines for Americans. Explain BMR and BMI. Define the key words that relate to this chapter.</p>

<p>Chapter 19: Nutrition Test Yourself</p>	<p>HS-LS1-2</p>	<p>Define the term nutrients. Describe the function(s) of the different types of nutrients. Differentiate between the fat-soluble and water-soluble vitamins. List the recommendations of the Dietary Guidelines for Americans. Explain BMR and BMI. Define the key words that relate to this chapter.</p>
<p>Chapter 20: Urinary System Structure and Functions of the Urinary System</p>		<p>Explain the function of the urinary system. Describe the structure and function of the organs in the urinary system. Explain how the kidneys regulate water balance. List and describe some common disorders of the urinary system. Define the key words that relate to this chapter.</p>
<p>Chapter 20: Urinary System Structure and Functions of the Urinary System</p>		<p>Explain the function of the urinary system. Describe the structure and function of the organs in the urinary system. Explain how the kidneys regulate water balance. List and describe some common disorders of the urinary system. Define the key words that relate to this chapter.</p>
<p>Chapter 20: Urinary System Disorders of the Urinary System</p>		<p>Explain the function of the urinary system. Describe the structure and function of the organs in the urinary system. Explain how the kidneys regulate water balance. List and describe some common disorders of the urinary system. Define the key words that relate to this chapter.</p>
<p>Chapter 20: Urinary System Disorders of the Urinary System</p>		<p>Explain the function of the urinary system. Describe the structure and function of the organs in the urinary system. Explain how the kidneys regulate water balance. List and describe some common disorders of the urinary system. Define the key words that relate to this chapter.</p>
<p>Chapter 20: Urinary System Chapter Homework</p>	<p>HS-LS1-2</p>	<p>Explain the function of the urinary system. Describe the structure and function of the organs in the urinary system. Explain how the kidneys regulate water balance. List and describe some common disorders of the urinary system. Define the key words that relate to this chapter.</p>
<p>Chapter 20: Urinary System Apply Yourself</p>		<p>Explain the function of the urinary system. Describe the structure and function of the organs in the urinary system. Explain how the kidneys regulate water balance. List and describe some common disorders of the urinary system. Define the key words that relate to this chapter.</p>
<p>Chapter 20: Urinary System Test Yourself</p>	<p>HS-LS1-2</p>	<p>Explain the function of the urinary system. Describe the structure and function of the organs in the urinary system. Explain how the kidneys regulate water balance. List and describe some common disorders of the urinary system. Define the key words that relate to this chapter.</p>

<p>Chapter 21: Reproductive System Structure and Function of the Reproductive System</p>		<p>Compare somatic cell division (mitosis) with germ cell division (meiosis). Explain the process of fertilization. Identify the organs of the female reproductive system and explain their functions. Describe the stages and changes that occur during the menstrual cycle. Explain menopause and the changes that occur during this time. Identify the organs of the male reproductive system and explain their functions. List some common disorders of the reproductive system. Define the key words that relate to this chapter.</p>
<p>Chapter 21: Reproductive System Structure and Function of the Reproductive System</p>		<p>Compare somatic cell division (mitosis) with germ cell division (meiosis). Explain the process of fertilization. Identify the organs of the female reproductive system and explain their functions. Describe the stages and changes that occur during the menstrual cycle. Explain menopause and the changes that occur during this time. Identify the organs of the male reproductive system and explain their functions. List some common disorders of the reproductive system. Define the key words that relate to this chapter.</p>
<p>Chapter 21: Reproductive System Contraception and Infertility</p>		<p>Compare somatic cell division (mitosis) with germ cell division (meiosis). Explain the process of fertilization. Identify the organs of the female reproductive system and explain their functions. Describe the stages and changes that occur during the menstrual cycle. Explain menopause and the changes that occur during this time. Identify the organs of the male reproductive system and explain their functions. List some common disorders of the reproductive system. Define the key words that relate to this chapter.</p>
<p>Chapter 21: Reproductive System Structures and Functions of the Female Reproductive System</p>		<p>Compare somatic cell division (mitosis) with germ cell division (meiosis). Explain the process of fertilization. Identify the organs of the female reproductive system and explain their functions. Describe the stages and changes that occur during the menstrual cycle. Explain menopause and the changes that occur during this time. Identify the organs of the male reproductive system and explain their functions. List some common disorders of the reproductive system. Define the key words that relate to this chapter.</p>

<p>Chapter 21: Reproductive System Structures and Functions of the Female Reproductive System</p>		<p>Compare somatic cell division (mitosis) with germ cell division (meiosis). Explain the process of fertilization. Identify the organs of the female reproductive system and explain their functions. Describe the stages and changes that occur during the menstrual cycle. Explain menopause and the changes that occur during this time. Identify the organs of the male reproductive system and explain their functions. List some common disorders of the reproductive system. Define the key words that relate to this chapter.</p>
<p>Chapter 21: Reproductive System Female Reproductive Disorders</p>		<p>Compare somatic cell division (mitosis) with germ cell division (meiosis). Explain the process of fertilization. Identify the organs of the female reproductive system and explain their functions. Describe the stages and changes that occur during the menstrual cycle. Explain menopause and the changes that occur during this time. Identify the organs of the male reproductive system and explain their functions. List some common disorders of the reproductive system. Define the key words that relate to this chapter.</p>
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<p>Chapter 21: Reproductive System Structures and Functions of the Male Reproductive System</p>		<p>Compare somatic cell division (mitosis) with germ cell division (meiosis). Explain the process of fertilization. Identify the organs of the female reproductive system and explain their functions. Describe the stages and changes that occur during the menstrual cycle. Explain menopause and the changes that occur during this time. Identify the organs of the male reproductive system and explain their functions. List some common disorders of the reproductive system. Define the key words that relate to this chapter.</p>

<p>Chapter 21: Reproductive System Structures and Functions of the Male Reproductive System</p>		<p>Compare somatic cell division (mitosis) with germ cell division (meiosis). Explain the process of fertilization. Identify the organs of the female reproductive system and explain their functions. Describe the stages and changes that occur during the menstrual cycle. Explain menopause and the changes that occur during this time. Identify the organs of the male reproductive system and explain their functions. List some common disorders of the reproductive system. Define the key words that relate to this chapter.</p>
<p>Chapter 21: Reproductive System Disorders of the Male Reproductive System</p>		<p>Compare somatic cell division (mitosis) with germ cell division (meiosis). Explain the process of fertilization. Identify the organs of the female reproductive system and explain their functions. Describe the stages and changes that occur during the menstrual cycle. Explain menopause and the changes that occur during this time. Identify the organs of the male reproductive system and explain their functions. List some common disorders of the reproductive system. Define the key words that relate to this chapter.</p>
<p>Chapter 21: Reproductive System Disorders of the Male Reproductive System</p>		<p>Compare somatic cell division (mitosis) with germ cell division (meiosis). Explain the process of fertilization. Identify the organs of the female reproductive system and explain their functions. Describe the stages and changes that occur during the menstrual cycle. Explain menopause and the changes that occur during this time. Identify the organs of the male reproductive system and explain their functions. List some common disorders of the reproductive system. Define the key words that relate to this chapter.</p>
<p>Chapter 21: Reproductive System Sexually Transmitted Diseases</p>		<p>Compare somatic cell division (mitosis) with germ cell division (meiosis). Explain the process of fertilization. Identify the organs of the female reproductive system and explain their functions. Describe the stages and changes that occur during the menstrual cycle. Explain menopause and the changes that occur during this time. Identify the organs of the male reproductive system and explain their functions. List some common disorders of the reproductive system. Define the key words that relate to this chapter.</p>

<p>Chapter 21: Reproductive System Sexually Transmitted Diseases</p>		<p>Compare somatic cell division (mitosis) with germ cell division (meiosis). Explain the process of fertilization. Identify the organs of the female reproductive system and explain their functions. Describe the stages and changes that occur during the menstrual cycle. Explain menopause and the changes that occur during this time. Identify the organs of the male reproductive system and explain their functions. List some common disorders of the reproductive system. Define the key words that relate to this chapter.</p>
<p>Chapter 21: Reproductive System Growth and Development</p>		<p>Compare somatic cell division (mitosis) with germ cell division (meiosis). Explain the process of fertilization. Identify the organs of the female reproductive system and explain their functions. Describe the stages and changes that occur during the menstrual cycle. Explain menopause and the changes that occur during this time. Identify the organs of the male reproductive system and explain their functions. List some common disorders of the reproductive system. Define the key words that relate to this chapter.</p>
<p>Chapter 21: Reproductive System Growth and Development</p>		<p>Compare somatic cell division (mitosis) with germ cell division (meiosis). Explain the process of fertilization. Identify the organs of the female reproductive system and explain their functions. Describe the stages and changes that occur during the menstrual cycle. Explain menopause and the changes that occur during this time. Identify the organs of the male reproductive system and explain their functions. List some common disorders of the reproductive system. Define the key words that relate to this chapter.</p>
<p>Chapter 21: Reproductive System Chapter Homework</p>	<p>HS-LS1-2, HS-LS1-4</p>	<p>Compare somatic cell division (mitosis) with germ cell division (meiosis). Explain the process of fertilization. Identify the organs of the female reproductive system and explain their functions. Describe the stages and changes that occur during the menstrual cycle. Explain menopause and the changes that occur during this time. Identify the organs of the male reproductive system and explain their functions. List some common disorders of the reproductive system. Define the key words that relate to this chapter.</p>

<p>Chapter 21: Reproductive System Apply Yourself</p>		<p>Compare somatic cell division (mitosis) with germ cell division (meiosis). Explain the process of fertilization. Identify the organs of the female reproductive system and explain their functions. Describe the stages and changes that occur during the menstrual cycle. Explain menopause and the changes that occur during this time. Identify the organs of the male reproductive system and explain their functions. List some common disorders of the reproductive system. Define the key words that relate to this chapter.</p>
<p>Chapter 21: Reproductive System Test Yourself</p>	<p>HS-LS1-2, HS-LS1-4, HS-PS1-5</p>	<p>Compare somatic cell division (mitosis) with germ cell division (meiosis). Explain the process of fertilization. Identify the organs of the female reproductive system and explain their functions. Describe the stages and changes that occur during the menstrual cycle. Explain menopause and the changes that occur during this time. Identify the organs of the male reproductive system and explain their functions. List some common disorders of the reproductive system. Define the key words that relate to this chapter.</p>
<p>Chapter 22: Genetics and Genetically Linked Diseases Genetics and Genetically Linked Diseases</p>		<p>Define mutation. Differentiate between the two basic types of mutations. Name three human genetic disorders and describe the cause and symptoms of each. Explain genetic counseling. Define the key words that relate to this chapter.</p>
<p>Chapter 22: Genetics and Genetically Linked Diseases Genetics and Genetically Linked Diseases</p>		<p>Define mutation. Differentiate between the two basic types of mutations. Name three human genetic disorders and describe the cause and symptoms of each. Explain genetic counseling. Define the key words that relate to this chapter.</p>
<p>Chapter 22: Genetics and Genetically Linked Diseases Chapter Homework</p>	<p>HS-LS1-1, HS-LS3-1</p>	<p>Define mutation. Differentiate between the two basic types of mutations. Name three human genetic disorders and describe the cause and symptoms of each. Explain genetic counseling. Define the key words that relate to this chapter.</p>
<p>Chapter 22: Genetics and Genetically Linked Diseases Apply Yourself</p>		<p>Define mutation. Differentiate between the two basic types of mutations. Name three human genetic disorders and describe the cause and symptoms of each. Explain genetic counseling. Define the key words that relate to this chapter.</p>

<p>Chapter 22: Genetics and Genetically Linked Diseases Test Yourself</p>	<p>HS-LS1-1, HS-LS3-1, HS-ETS1-2,</p>	<p>Define mutation. Differentiate between the two basic types of mutations. Name three human genetic disorders and describe the cause and symptoms of each. Explain genetic counseling. Define the key words that relate to this chapter.</p>
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