

7th Grade Science

4th Nine Weeks Syllabus

7.LS3: Heredity: Inheritance and Variations of Traits

- 1) Hypothesize that the impact of structural changes to genes (i.e., mutations) located on chromosomes may result in harmful, beneficial, or neutral effects to the structure and function of the organism.
- 2) Distinguish between mitosis and meiosis and compare the resulting daughter cells.

7.LS1: From Molecules to Organisms: Structures and Processes

- 5) Explain that the body is a system comprised of subsystems that maintain equilibrium and support life through digestion, respiration, excretion, circulation, sensation, and locomotion.
- 6) Develop an argument based on empirical evidence and scientific reasoning to explain how behavioral and structural adaptations in animals and plants affect the probability of survival and reproductive success.
- 7) Evaluate and communicate evidence that compares and contrasts the advantages and disadvantages of sexual and asexual reproduction.

7.ESS3:

- 1) Graphically represent the composition of the atmosphere as a mixture of gases and discuss the potential for atmospheric change.
- 2) Engage in a scientific argument through graphing and translating data regarding human activity and climate.

Daily Work Grades: Vocabulary and Open Book Lesson Quizzes

Assessments: Chapter Test, PowerPoint Cell Analogy, 9 Week Test and Exams

Resources: www.pearsonrealize.com - Students have a login with resources (including online text book) that will help them study for all test.

Study Island will be used as supplemental material.