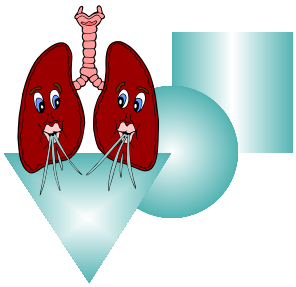
Activity "Administrivia":

Intended Grade Level:

7th-8th



Key Concepts:

Respiratory system, lab investigations, structure and function, interdependence

Process Skills utilized in lesson:

Analyzing, inferring, observing, graphing, drawing conclusions, debating, discussion, experimenting, testing, model building

Previous learning assumed:

Elementary understanding of the respiratory systems and how systems interrelate

Relevant TEKS

6, 7, 8.1) Scientific processes. The student conducts field and laboratory investigations using safe, environmentally appropriate, and ethical practices. The student is expected to: (A) demonstrate safe practices during field and laboratory investigations; and (B) make wise choices in the use and conservation of resources and the disposal or recycling of materials.
6, 7, 8. 2) Scientific processes. The student uses scientific inquiry methods during field and laboratory investigations. The student is expected to: (C) analyze and interpret information to construct reasonable explanations from direct and indirect evidence; (D) communicate valid conclusions.
6, 7, 8.3) Scientific processes. The student uses critical thinking and scientific problem solving to make informed decisions. The student is expected to: (A) analyze, review, and critique scientific explanations, including hypotheses and theories, as to their strengths and weaknesses using scientific evidence and information; (B) draw inferences based on data related to promotional materials for products and services; (C) represent the natural world using models and identify their limitations; (D) evaluate the impact of research on scientific thought, society, and the environment.
6.5) Scientific concepts. The student knows that systems may combine with other systems to form a larger system. The student is expected to:(A) identify and describe a system that results from the combination of two or more systems such as in the solar system; and (B) describe how the properties of a system are different from the properties of its parts.
(6.10) Science concepts. The student knows the relationship between structure and function in living systems. The student is expected to: (A) differentiate between structure and function;(B) determine that all organisms are composed of cells that carry on functions to sustain life; and(C) identify how structure complements function at different levels of organization including organs, organ systems, organisms, and populations.
(7.9) Science concepts. The student knows the relationship between structure and function in living systems. The student is expected to: (A) identify the systems of the human organism and describe their functions; and (B) describe how organisms maintain stable internal conditions while living in changing external environments.
(8.6) Science concepts. The student knows that interdependence occurs among living systems. The student is expected to: (A) describe interactions among systems in the human organism.