

Activity "Administrivia":

Intended Grade Level:

7 - 8

Key Concepts:

Respiratory system,
chemical reactions,
air pollution, ozone,
human impact on
environment,
concept mapping,
analyzing data

Process Skills utilized in lesson:

Collect and analyze data,
make quantitative and
qualitative observations,
compare and contrast,
graphing,
drawing inferences
and conclusions

Previous learning assumed:

Chemical reactions,
basic respiratory system
structure and function,
concept mapping, graphing,
group skills

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;

6, 7, 8.2 Scientific processes. The student uses scientific inquiry methods during field and laboratory investigations. The student is expected to:

(A) plan and implement investigative procedures including asking questions, formulating testable hypotheses, and selecting and using equipment and technology;

(B) collect data by observing and measuring;

(C) analyze and interpret information to construct reasonable explanations from direct and indirect evidence;

(D) communicate valid conclusions; and

(E) construct graphs, tables, maps, and charts using tools including computers to organize, examine, and evaluate data.

6,7,8.4 Scientific processes. The student knows how to use a variety of tools and methods to conduct science inquiry. The student is expected to:

(A) collect, analyze, and record information using tools including beakers, petri dishes, meter sticks, graduated cylinders, weather instruments, timing devices, hot plates, test tubes, safety goggles, spring scales, magnets, balances, microscopes, telescopes, thermometers, calculators, field equipment, compasses, computers, and computer probes; and

(B) identify patterns in collected information using percent, average, range, and frequency.

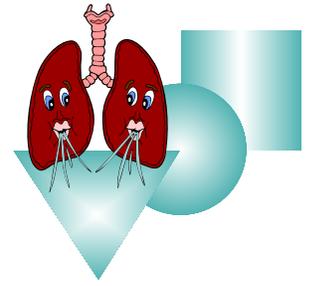
7. 14 Science concepts. The student knows that natural events and human activity can alter Earth systems. The student is expected to:

(A) describe and predict the impact of different catastrophic events on the Earth;

(C) make inferences and draw conclusions about effects of human activity on Earth's renewable, non-renewable, and inexhaustible resources.

8.14 Science concepts. The student knows that natural events and human activities can alter Earth systems. The student is expected to:

(C) describe how human activities have modified soil, water, and air quality.



Activity "Administrivia"



LESSON 3
ACTIVITY 3D

Pulmo-Park