

Lesson: Respiratory System Quiz

Teacher:	Kaylan Duthie
Unit Theme/Course:	Human Respiration – 7 th Grade Life Science
Date:	November 17 th and 19 th
Timing:	1 Day – split into two parts

Rationale/Goal:

- Test students for understanding of the structures and functions of the respiratory system

Overview:

This quiz will come at about the half-way point of the respiratory system. Using a word bank, students will be asked to label a diagram of the lung, as well as identify various structures and processes based on a description or definition. Students will then be asked to be reflective about their achievement on the test after grading has been completed.

Learning Objectives [cognitive, academic, language, socio-cultural]	Assessment Criteria
Students will show familiarity with structures and functions of the respiratory system	Student passes the quiz by answering at least 9 out of 12 questions correctly, giving them a 3.0 or higher.
Students will be self-reflective about their test-taking skills	Students write a few serious sentences answering reflection questions about their testing habits

Standard/EALR:

6-8 SYSA	Any <i>system</i> may be thought of as containing <i>subsystems</i> and as being a <i>subsystem</i> of a larger <i>system</i> .	Given a <i>system</i> , identify <i>subsystems</i> and a larger encompassing <i>system</i> (e.g., the heart is a <i>system</i> made up of tissues and cells, and is part of the larger circulatory <i>system</i>).
6-8 LS1C	<i>Multicellular organisms</i> have specialized cells that perform different <i>functions</i> . These cells join together to <i>form</i> tissues that give organs their structure and enable the organs to perform specialized <i>functions</i> within organ <i>systems</i> .	Relate the structure of a specialized cell (e.g., nerve and muscle cells) to the <i>function</i> that the cell performs. <i>Explain the relationship</i> between tissues that make up individual organs and the <i>functions</i> the organ performs (e.g., valves in the heart control blood flow, <i>air</i> sacs in the lungs maximize surface area for <i>transfer</i> of <i>gases</i>). <i>Describe</i> the components and <i>functions</i> of the digestive, circulatory, and respiratory <i>systems</i> in humans and how these systems interact.

Preparation Time:

30 minutes to make copies

Materials:

Copies of quiz for each student

Instructional Sequence:

1. Have students take the respiratory system quiz.
 - a. Explain the word bank to students: may or may not be used
 - b. For number 6, tell them it is NOT breathing or inhalation
2. For special cases
 - a. Allow IEP and ELL students to take test in back room with quieter area and extra time
 - b. Offer the option of having oral quiz
3. For Special Ed students
 - a. Have students take with special ed. teacher, who can provide needed methods and assistance on the quiz
4. When collecting quiz, ask students how they feel they did for feedback on exam
 - a. After students are done, have them work on the Trachea Transplant article
5. Grade the quiz as a group (Probably on another day)
 - a. Have students grade each other's quizzes
 - b. Pass the quiz back to the students
 - c. Have the students do a quick reflection on the quiz (write on back of quiz)

*On a scale of 1-5, how hard do you think this quiz was?
On a scale of 1-5, how hard did you study for this quiz?
If you did well on this quiz, why were you able to do well, and how will you be able to do well on the next quiz too?
If you didn't do so well, why not? What could you change to do better on the next quiz?*

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6. When done, move onto blowing Bubbles

Assessment

- Grade Quiz

Welcome to Science Class! Wednesday 11/17

Random Question: What are the 8 planets in our solar system?



1) Please sit in your Regular Flavored Seats with nothing out but a pencil.

2) Respiratory Quiz

3) When completed, turn test over and wait for the Trachea Transplant Article.



Welcome to Science Class! Friday 11/19

Not So Random Question: What is oxidation called when it is in your cells?



1) Please sit in your Regular Flavored Seats with nothing out but a colored pencil.

2) Grade the Respiratory Quiz

3) Review Entry #26: The Candle Model

4) Complete Entry #27: Blowing Bubbles

5) Work on completing Candle Model, then Trachea Transplant



1) On a scale of 1-5, how hard did you think this quiz was?

2) On a scale of 1-5, how hard did you prepare/study for this quiz?

3) If you did well on this quiz, why were you able to do well, and how will you be able to do well on the next quiz too?

4) If you didn't do so well, why didn't you do well? What could you change to do better on the next quiz?
