

# Proficiency Scale

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**GRADE LEVEL: 12    COURSE NAME: Anatomy and Physiology**  
**MEASUREMENT TOPIC: Use a Model to Explain the Respiratory System**

<b>4</b>	<p>In addition to Score 3, the student makes in-depth inferences and applications.</p> <ul style="list-style-type: none"><li>Engage in argument from evidence describing how environmental (e.g., cigarette smoke, polluted air) and genetic factors may affect the respiratory system, possibly leading to pathological conditions (e.g., cystic fibrosis).</li></ul>
<b>3</b>	<p>The student can:</p> <ul style="list-style-type: none"><li>Explain the relationship between the respiratory system and another organ system for maintaining homeostasis.</li><li>Use a model to illustrate how pressure gradients move air into and out of the lungs.</li></ul>
<b>2</b>	<p>The student can:</p> <ul style="list-style-type: none"><li>Illustrate the anatomical organization of an alveolus.</li><li>Illustrate the anatomical organization of the respiratory system.</li></ul>
<b>1</b>	<p>With help, a partial understanding of some of the simpler details and processes and some of the more complex ideas and processes.</p>

**Key Vocabulary:**