



Circulatory and Respiratory System Board Game Challenge!

Name: _____ Date: _____

Your awesome challenge is to design a board game that addresses the complex systems of the heart and lungs!

You will be given lots of time and resources to work on this exciting project. Here's a list of what you should include in your game:

- Circulatory and Respiratory system form and function—
 - o (e.g. a) follow a drop of blood as it enters the superior vena cava and completes an entire pathway through the heart and b) trace the path of a molecule of oxygen as it travels from the nose to the alveoli)
- Circulatory system of a fetus
- Diseases related to the heart & possible procedures/cures
- Diseases related to the lungs & possible procedures/cures
- Some nifty, cool extra factoid (like how to do the Heimlich Maneuver)
- Key Vocabulary (see below)

Heart Related words

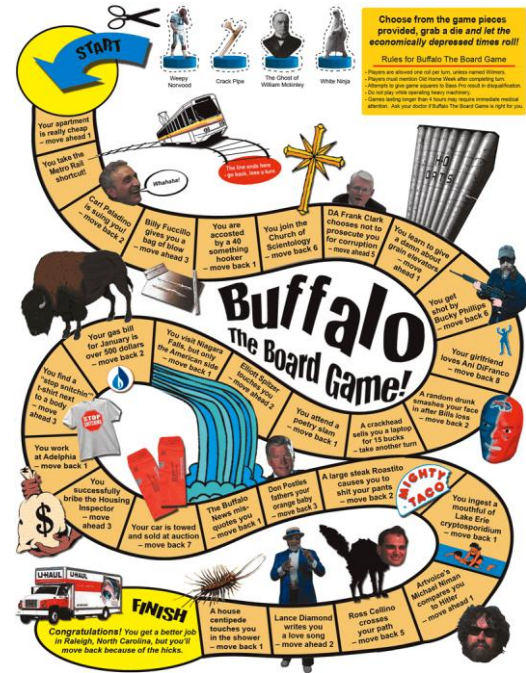
- Right atrium
- Tricuspid valve
- Right ventricle
- Pulmonary semi-lunar valve
- Lungs
- Pulmonary veins
- Left atrium
- Left ventricle
- Bicuspid (mitral) valve
- Left ventricle
- Aortic semi-lunar valves
- Aorta
- Myocardium
- Endocardium
- Pericardium
- Thrombus
- Blood Pressure: Systole & Diastole

Embolism

- Myocardial infarction
- Angina pectoralis
- Coronary bypass surgery
- Electrocardiogram

Lung Related Words

- Respiratory membrane
- Respiratory mucosa
- Nose
- Pharynx
- Larynx
- Trachea
- Bronchi
- Bronchioles
- Alveoli
- lungs





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<i>Circulatory & Respiratory System Board Game Challenge</i>			<i>Comments</i>
Evaluation Criteria	Description of what is expected	Points	
Content	<p>The project presents information in an accurate and organized manner that can be understood by the intended audience. Shows a depth and understanding of the concepts and terms covered.</p> <ul style="list-style-type: none"> • Vocabulary • Fetus's system • Heart disease(s) • Lung disease(s) • Extra fact 	40 pts	
The Game Itself	<p>The game shows elements that are <i>dynamic, creative.</i>, but also <i>educational</i>. It s constructed well enough to survive a few demonstrations.</p>	40 pts	
Collaboration	<p>Students worked together on the project as a team with defined roles to play. Most members fulfilled their responsibilities. Disagreements were resolved or managed productively.</p>	10pts	
Timeliness	<p>Presented on time to share with classmates and get evaluated!</p>	5pts	
Reflective	<p>Student reflected on his/her work in a meaningful, thoughtful manner</p>	5 pts	
Total			
___ /100pts			



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