

Name: _____ Class: _____ Date: _____

Activity 1: Does circulatory system and digestive system work together?

Q1: What did you observe about the digested food in the small intestines?

Activity 2: Predict and compare the amount of oxygen and carbon dioxide in the blood flowing in different blood vessels

Q1: Draw the arrows showing the flow of blood in the diagram below.

Lungs

Heart

Legs

Q2: What did you observe about the amount of oxygen and carbon dioxide in the blood cells moving in the various blood vessels between the parts of the human body? Draw a bar graph in the space provided.

<p>a) From the lungs to the heart</p> <table border="1" data-bbox="253 466 795 894"><tr><td data-bbox="253 466 522 852"></td><td data-bbox="522 466 795 852"></td></tr><tr><td data-bbox="253 852 522 894">Oxygen</td><td data-bbox="522 852 795 894">Carbon dioxide</td></tr></table>			Oxygen	Carbon dioxide	<p>b) From the heart to the lungs</p> <table border="1" data-bbox="821 466 1364 894"><tr><td data-bbox="821 466 1091 852"></td><td data-bbox="1091 466 1364 852"></td></tr><tr><td data-bbox="821 852 1091 894">Oxygen</td><td data-bbox="1091 852 1364 894">Carbon dioxide</td></tr></table>			Oxygen	Carbon dioxide
Oxygen	Carbon dioxide								
Oxygen	Carbon dioxide								
<p>c) From the heart to the legs</p> <table border="1" data-bbox="253 1092 795 1562"><tr><td data-bbox="253 1092 522 1520"></td><td data-bbox="522 1092 795 1520"></td></tr><tr><td data-bbox="253 1520 522 1562">Oxygen</td><td data-bbox="522 1520 795 1562">Carbon dioxide</td></tr></table>			Oxygen	Carbon dioxide	<p>d) From the legs to the heart</p> <table border="1" data-bbox="821 1092 1364 1562"><tr><td data-bbox="821 1092 1091 1520"></td><td data-bbox="1091 1092 1364 1520"></td></tr><tr><td data-bbox="821 1520 1091 1562">Oxygen</td><td data-bbox="1091 1520 1364 1562">Carbon dioxide</td></tr></table>			Oxygen	Carbon dioxide
Oxygen	Carbon dioxide								
Oxygen	Carbon dioxide								

Activity 3: Walking versus Running

Q1: When the person is walking, what does the heart pump?

Q2: What do you notice about the blood flow when he started running?

Q3: Based on your answer in Q2, why do you think this happens?
