

## **General Animations on Heart and EKG:**

### ***Blood flow and Heart Anatomy Assignments:***

- 1. Please view animations of heart beat and be able to trace the flow of blood through the heart. Make sure to name all valves, chambers and vessels.**
- 2. Find other Animations on the heart showing blood flow and vessels.**
- 3. Find your favorite animation. Please pick one animation you like the best and why.**

**Educypedia** Lots of Heart Animations and Blood Flow. Some very detailed EKG animations that don't really clearly define the EKG trace easily.

<http://www.educypedia.be/education/biologyanimationscardio.htm>

### ***EKG Assignments:***

- 1. Please view animations of the EKG trace and what each part of the EKG trace is doing in the heart. The link from the National Heart Lung and Blood Institute is good.**
- 2. Find other animations and pick your favorite. Explain why it is your favorite.**

**National Heart Lung and Blood Institute:** Great Animation walking through the EKG and what happens in the heart.

[http://www.nhlbi.nih.gov/health/dci/Diseases/hhw/hhw\\_electrical.html](http://www.nhlbi.nih.gov/health/dci/Diseases/hhw/hhw_electrical.html)

**Heart Attack:**

- 1. Please review the sites below and find info on signs, symptoms, risk factors, treatments, diagnosis, and prevention.**
- 2. Find other sites and evaluate which is best and why.**

**Google Health:** Site outlining the symptoms and signs and treatment of a heart attack  
<https://health.google.com/health/ref/Heart+attack>

**National Heart Lung and Blood Institute:** Site showing info on heart attack.  
[http://www.nhlbi.nih.gov/health/dci/Diseases/HeartAttack/HeartAttack\\_WhatIs.html](http://www.nhlbi.nih.gov/health/dci/Diseases/HeartAttack/HeartAttack_WhatIs.html)

**Homework:**

- 1. Show your favorite animation to a parent explaining the blood flow through the heart, how to read an EKG and all information on heart attacks.**
- 2. Record information on the Parent Interaction form that can be downloaded from the class website at the bottom of the student resources page. This will be due on Monday.**