Transport Review

TOC#1:

1. Explain how the heart is divided, including chambers.

1. What is the main purpose of the cardiovascular system?
2. Compare and Contrast:

|  |  |
| --- | --- |
| **Pulmonary circuit** | **Systemic circuit** |
|  |  |

1. Structure and Function:

|  |  |  |  |
| --- | --- | --- | --- |
| **Pericardium** | **Atria** | **Ventricle** | **Valve**  |
| Structure: Function:  |  |  |  |

1. Layers of the heart muscle and function of each:
2. What causes a heart attack? (must discuss coronary arteries)
3. Why must the heart have its own blood supply?

TOC#2

1. What is Atherosclerosis? What causes it?
2. Compare and contrast:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Arteries** | **Arterioles** | **Capillaries** | **Venules** | **Veins** |
| Function: Direction of blood movement: Structure:  |  |  |  |  |

TOC#4

1. How does the structure of blood cells relate to their function?
2. What factors influence who you can receive blood from through a transfusion?
3. What information can be determined through blood analysis?
4. What are the steps of clotting blood?

|  |  |  |
| --- | --- | --- |
| **RBC** | **White Blood cells**  | **Plasma**  |
| Function: Direction of blood movement: Structure:  |  |  |

1. If Red Blood Cells don’t have a nucleus, then how do they reproduce?
2. If RBD’S don’t have a nucleus, then how can you tell someone's genetics from their blood?
3. Types of Leukocyte cells:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  |  |  |  |
| Function:  |  |  |  |  |

TOC#5 – You need to understand what blood types a patient with a known blood type can receive.

- Review at: <http://www.nobelprize.org/educational/medicine/bloodtypinggame/game/index.html>

TOC#9

1. Compare and Contrast:

|  |  |
| --- | --- |
| **Lymph Vessel** | **Lymph Node** |
| Main Job:  | Main Job: 1) 2) 🞎 What does it mean to be a regional indicator of health?  |

1. How does a vaccine work?
2. Explain the progression of an immune response – attack on a virus!