**Notes – The Circulatory System**

The Transportation System

<http://www.gamequarium.org/cgi-bin/search/linfo.cgi?id=12096>

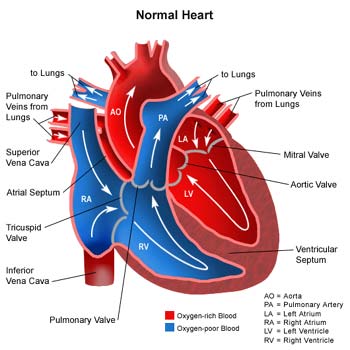
Composed of \_\_\_\_\_\_\_\_\_\_\_\_, blood vessels and \_\_\_\_\_\_\_\_\_\_\_\_

Function: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ materials throughout the body to cells and take \_\_\_\_\_\_\_\_\_\_\_\_ products away from cells

The Heart

* + \_\_\_\_\_\_\_\_\_\_ Chambers
    - left and right \_\_\_\_\_\_\_\_\_\_ receive blood to the heart
    - left and right \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ pump blood away from the heart
  + \_\_\_\_\_\_\_\_\_\_\_\_ open to allow blood to pass through and close to prevent \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
  + \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ node – area above the right atrium that generates a normal sinus \_\_\_\_\_\_\_\_\_\_\_\_\_\_ (causes the heart to beat)

<http://www.argosymedical.com/Circulatory/samples/animations/Heart/index.html>



The Blood Vessels

* \_\_\_\_\_\_\_\_\_\_\_\_\_ – carries blood \_\_\_\_\_\_\_\_\_\_ from the heart
* \_\_\_\_\_\_\_\_\_\_ – carries blood \_\_\_\_\_\_\_\_\_\_\_\_\_ the heart
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ – connect arteries and veins; they are so \_\_\_\_\_\_\_\_\_\_\_\_ that nutrients and oxygen diffuse right through them

The Blood

<http://www.argosymedical.com/Circulatory/samples/animations/The%20Blood/index.html>

* Composed of
  + \_\_\_\_\_\_\_\_\_\_\_\_\_ – yellowish \_\_\_\_\_\_\_\_\_\_\_\_\_ part of blood that carries nutrients, clotting factors, sugar, hormones, etc.
  + \_\_\_\_\_\_\_\_\_ blood cells – erythrocytes - made in the bone marrow - carry \_\_\_\_\_\_\_\_\_\_\_\_\_\_ and carbon dioxide – hemoglobin gives them the red color
  + \_\_\_\_\_\_\_\_\_\_\_\_ blood - leukocytes – made in bone marrow, lymph tissue, thymus, spleen – \_\_\_\_\_\_\_\_\_\_\_\_\_\_ the body against invaders
  + \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ - thrombocytes – aid in \_\_\_\_\_\_\_\_\_\_\_\_\_ of blood – formed in bone marrow