

Blood
Honors Anatomy

Functions of Blood

1. List the 3 functions of blood.

Composition of Blood

1. List the 2 parts blood is composed of.

Using a textbook or your notes, label the different formed elements.



Formed Element

Function

- Red Blood Cell-

- White Blood Cell-

- Platelet-

1. The liquid matrix of blood is called _____.
 - a. List 3 ways in which plasma helps maintain homeostasis for the body.

2. _____ is the process of blood cell production.
3. The respiratory pigment found in a red blood cell, that transports oxygen is called _____.
4. Which other system of the body are white blood cells associated with? _____

Blood Groups and Blood Types

1. Red blood cells have molecules called _____ on its surface.
2. Plasma contains proteins called _____ that are very specific to the antigen it binds to.
3. When antibodies in the plasma bind to antigens on red blood cells clumping of blood cells called _____ can occur.

Using a textbook, notes, or a website, fill out the table about blood types.

	Blood Type	Antigens	Antibodies	Can Donate Blood to Type	Can Receive Blood from Type	Draw Blood Type Cell	Draw Antibody
1.	Type A						
2.	Type B						
3.	Type AB						
4.	Type O						

5. What blood type is the universal donor? _____
6. What blood type is the universal receiver? _____
7. A person who is Rh+ has the _____ on the surface of their red blood cells where as a person who is Rh- does not.
8. Ms. Crabtree claims that Mr. Thomas is the father of her baby. Ms. Crabtree's blood type is O negative. Her baby son's blood type is Type A positive. Mr. Thomas's blood type is Type B positive.
 - a. Could Mr. Thomas be the boy's father? _____
 - b. If not, what blood type would the father be expected to have? _____