Oct 31, 2019

- 1) answers Section Review 22-3, pg 391 #9,11
- 2) Blood Types and Blood Disorders

Warm - Up

The most common blood type in Canada is O positive (O+), about ______% of the population has it, which is why we have the greatest need for type O blood.

Answers pg 391 #9,11/WS

- 9. The job of the red blood cells is to carry oxygen to the cells and take carbon dioxide away.
- 11. Three functions of blood are:
- transports materials like oxygen and carbon dioxide
- regulates body temperature
- maintains chemical balance
- protects against disease
- transports nutrients throughout the body

Section Review 22-3

- 1. Red Blood Cells
- 2. White Blood Cells
- 3. Plasma
- 4. Red Blood Cells
- 5. Platelet
- 6. White Blood Cells
- 7. Plasma
- 8. White Blood Cells
- 9. Platelet
- 10. Plasma
- 11. Red Blood Cells
- 12. Red Blood Cells

What is a Blood Type?

Blood type is a <u>genetic</u> characteristic associated with the presence or <u>absence</u> of certain molecules called <u>antigens</u>, on the surface of red blood cells.

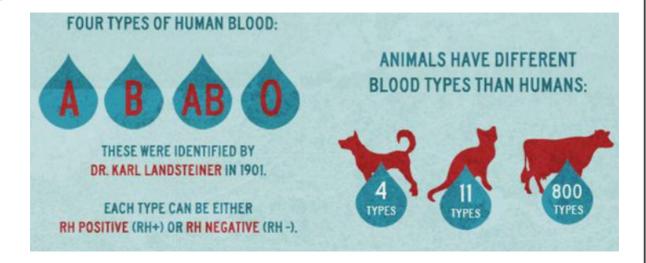
Blood Type is produced based on inherited genes and what proteins your body produces.

Blood type is <u>important</u> for medical reasons. If you need a <u>blood</u> transfusion you need to receive blood that is the same <u>type</u> as yours or it will <u>clot</u> in your bloodstream.

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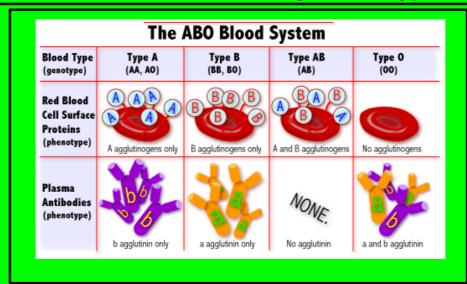
ABO Blood Typing System

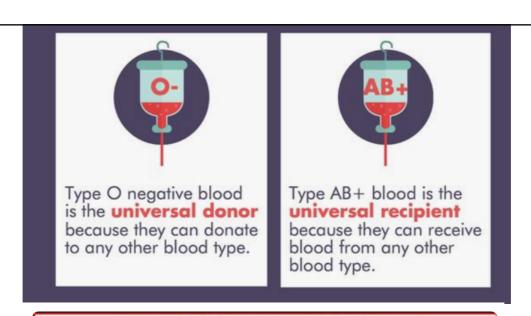
This is the system that is used to determine our blood type (just one of many blood factors). The blood proteins are A and B. The presence or absence of A and B proteins determines your blood type.



Blood Groups

There are eight types of blood. A (only antigen A), B (only antigen B), AB (both antigens), and O (no antigens). The protein marker found on the cell membrane identifies blood type. You can also be + or - for the Rh factor for each A,B,AB and O creating 8 blood types.





BLOOD TYPES 🔪 🗢		
TYPE	YOU CAN GIVE BLOOD TO	YOU CAN RECEIVE BLOOD FROM
A+	A+ , AB+	A+ , A- , O+ , O- stepir
0+	O+ , A+ , B+ , AB+	0+,0-
B+	B+ , AB+	B+, B-, O+, O-
AB+	AB+	Everyone or
A-	A+ , A- , AB+ , AB-	A-, O-
0-	Everyone	0-
B-	B+, B-, AB+, AB-	B- , O-
AB-	AB+ , AB-	AB- , A- , B- , O-

Biology 113 blood vessel assignment.doc