

recipient's Blood (cross-matched) before it is transfused, regardless of Blood type. There are potentially important Blood cell factors other than the A, B, AB and O Blood groups and the Rr (Rhesus) factor that can lead to serious and in some cases, irreversible problems.

🔥 Facts for Life...

There are some good reasons for a husband to not donate Blood to his wife during her **childbearing years**. During this time, a women who plans to become pregnant, receiving Blood from her husband may pose a small risk to the infants born of these pregnancies. If, during the Blood transfusion the woman develops an antibody to an antigen on the father's red Blood cells, and the subsequently born fetus inherits the father's red cell antigen, the antibody from the mother may enter the Bloodstream of the fetus causing destruction of fetal red Blood cells. This may cause serious anemia in the fetus and excessive jaundice in the infant after birth. This is a known major cause of brain damage. Special Blood transfusions, using selected red Blood cells that do not have the particular in-compatible and offending antigen, are available when this condition is pre-diagnosed. Of course, we suggest autologous Blood donation for the mother. However, for those mothers who are unable to make an autologous donation, the decision to select her husband as a donor should always take this risk under consideration, specific consultation with your pediatrician on this subject is essential.

Having thoroughly confused the situation, study the following chart. It is presented as a general guideline, and to help make the facts more clear. The chart is correct, as a rule of thumb, barring anomalies ■

[Blood Typing Systems other than ABO](#)

[World Distribution of ABO Blood Types Chart](#)

[Geographic Study of ABO Blood Type Distribution](#)

[African American Black Blood Donor Emergency](#)

BLOOD TYPE COMPATIBILITY CHART **			
Blood Type of Recipient	Donor Can Be for.....		
	Red Cells	Whole Blood	Plasma
O +	O +; O -	O +; O -	any O; A; B or AB
O -	O -	O -	any O; A; B or AB
A +	any A +; A -; O + or O -	any A + or A -	any A or AB

A -	any A - or O -	A -	any A or AB
B +	any B +; B -; O + or O -	any B + or B -	any B or AB
B -	any B - or O -	B -	any B or AB
AB +	any AB +; AB -; A +; A -; B +; B -; O +; or O-	any AB + or AB -	any AB
AB -	any AB -; A -; B -, or O -	AB -	AB

** NOTE: **Recent Blood research** indicates that, for instance, where a person with type O negative Blood was cor to be a 'universal donor,' this may no longer be correct, because of a better understanding of the complex issues immune reactions related to incompatible donor Blood cells.

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Functions of Blood Cells

DIRECTIONS: Circle the word or phrase that does not relate to the others and then write a sentence which tells how the other words are related.

1. Erythrocyte Phagocytosis Hemoglobin Oxygen

2. Thromboplastin Fibrinogen Platelets **Antibody Production**

3. Neutrophils Phagocytosis Lymphocytes Monocytes

4. Carbon Dioxide Basophils Oxyhemoglobin Erythrocytes

5. **Protects Against Cancer** Forms Antibodies Monocytes Leukocytes

6. Platelets Waste Products Excretory Organs Homeostasis

7. Carry Oxygen to Cell Protection from Wounds and Pathogens Support Blood Clotting

8. Lymphocytes Allergic Conditions Malaria **Worm Infestations**

9. Inflammatory Response Secrete Hormones Antibody Production Immune Defense

Appendix 1H07.02A