

BLOOD TYPES AND TRANSFUSIONS

Name _____

Fill in the blanks on the table below. Then answer the questions.

Blood Type	Antigens on Red Cells	Antibodies in Plasma	May Donate To	May Receive From
A				
B				
AB				
O				

- Why are individuals with blood type O considered universal donors? _____
- Why are individuals with blood type AB considered universal recipients? _____
- Today, some people who know they must undergo surgery in the near future give their own blood at the blood bank earlier. Then, they use it during surgery. Why? _____

The distribution of blood types around the world varies. For example, you would find it different in Japan, and among Basque people in northern Spain.

POPULATION	A	B	AB	O
U.S. Whites	39.7%	10.6%	3.4%	46.3%
U.S. Blacks	26.5%	20.1%	4.3%	49.1%
Native Americans	30.6%	0.2%	0.00%	69.1%

On the basis of the table, answer the following questions.

- In the U.S., what is the most frequent blood type? _____
- If you are an African American, what are the chances that your blood is type A? _____
- What is the only population that has no representative with one blood type? _____
- What blood type is this? _____
- Compare the frequency of type B blood between white and black Americans. _____

It starts in the pumping _____, moves through the _____ and comes _____ back to the _____ again.

heart red circulatory system body veins cell
 chambers liquid oxygen plasma pl