There are only four main types of blood

- **A** — with A antigen on the surface of the red blood cells, but not B
- **B** — with B antigen, but not A
- **AB** — with both A and B antigens
- **O** — has no A or B antigens

A-	A+	B-	B+
AB-	AB+	O-	O+

The blood that someone is given is 'matched' so that it won't be destroyed by their immune system.

- Type A blood can go to anyone who has type A or AB.
- Type B blood can go to anyone with B or AB.
- AB blood can only go to a person with AB blood.
- O can be given to anyone, so someone with that blood is called a 'Universal donor.'

BUT

- A person with type A can only take blood from someone with type A or O.
- Type B can only take blood from someone who is B or O.
- AB can receive blood from anyone. This is known as being a 'universal receiver.'
- Type O can only receive blood from type O.

Blood Typing Game Here
https://educationalgames.nobelprize.org/educational/medicine/bloodtypinggame/

Blood Facts - Components

Plasma

A yellowish liquid component of blood that holds the blood cells in whole blood in suspension. It is the liquid part of the blood that carries cells and proteins throughout the body. It makes up about 55% of the body's total blood volume.

White Blood Cells & Platelets

Your body is in a constant battle against invaders. Every day, viruses and bacteria may find their way into your body and can make you sick. White blood cells of various kinds spring into action to combat these invaders.
The platelets in your blood begin the clotting process. They have a very short life span and can only be stored for five days after donation. Due to this, there is a constant need for platelet donors.

Red Blood Cells

They carry oxygen to your organs and tissue and removes waste. Red blood cells are the most needed blood component for transfusion. They are often the difference between life and death for trauma victims and those undergoing surgery. People with anemia, low hematocrit levels due to cancer or kidney diseases and sickle cell disease also need red blood cells.

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