Objective

• SWBAT identify the components of blood and relate them to their functions.
Today is not for the weak of heart...
Function of the Circulatory System

• Carries material to and from the cells of the body.
Blood: Definition and Function

• **Blood**: connective tissue that flows through blood vessels
• Carries oxygen, nutrients, and carbon dioxide to all cells in your body.
Plasma

- Clear mixture of water, minerals, nutrients, proteins, other substances
- Fluid part of blood that carries other cells
Red Blood Cells (RBCs)

- Carry oxygen to all cells in your body
- Contain hemoglobin, which clings to oxygen molecules
- Red blood cells are why blood looks red
White Blood Cells (WBCs)

- Destroy pathogens (bacteria, viruses, etc. that make you sick) by hunting them or using antibodies
- Destroy dead or damaged body cells.
- **Fight off disease and keep you healthy.**
Platelets

- Pieces of larger cells found in bone marrow
- Clump together to force blood to clot and to stop bleeding
Check For Understanding

Redness and swelling may develop in an area near a wound. This reaction by the body means that white blood cells are being carried to that area by which of the following?

A  circulatory system
B  nervous system
C  muscular system
D  skeletal system