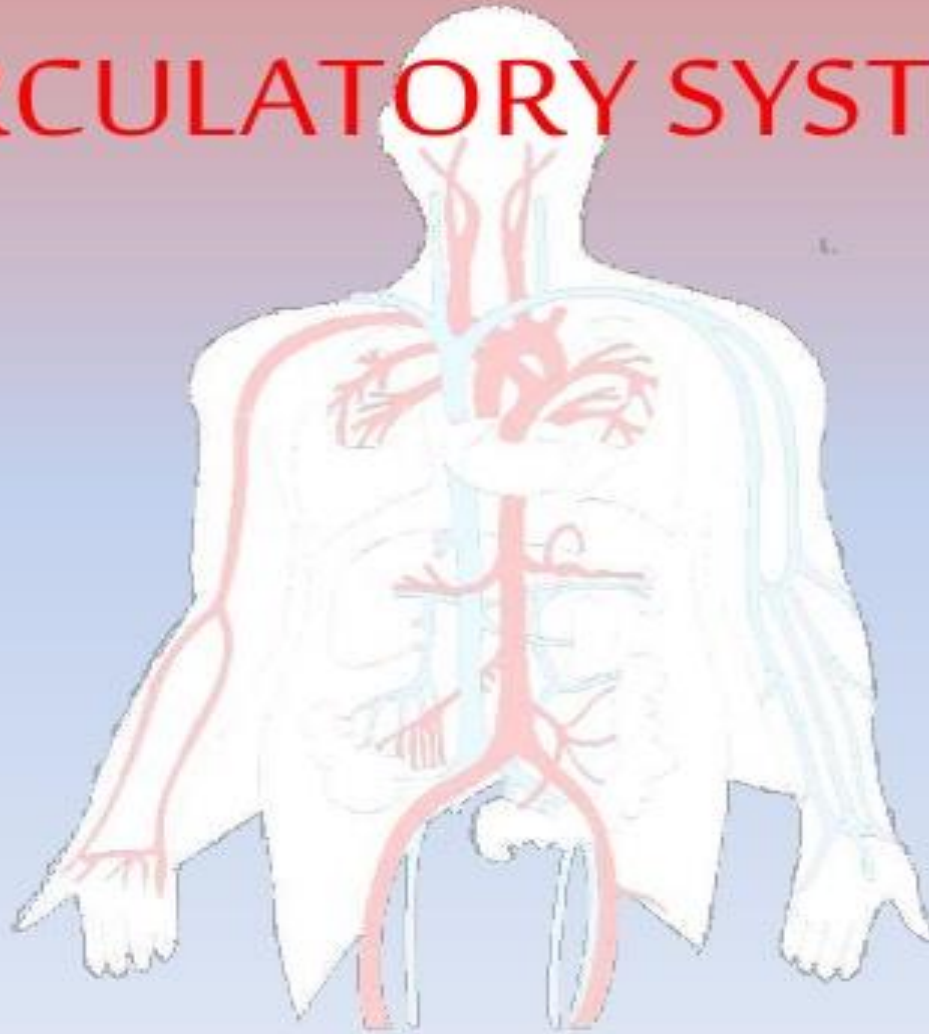




FACULTY OF ENGINEERING & TECHNOLOGY
DEPARTMENT OF BIOTECHNOLOGY

CIRCULATORY SYSTEM



Transportation system of the body

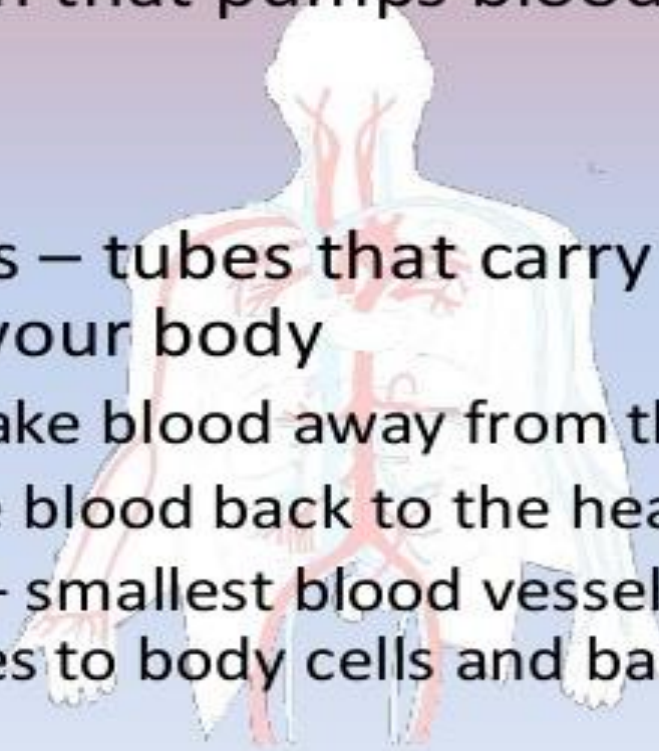
Transports:

- Fuel – Food and oxygen
- Wastes
- Disease fighters
- Hormones



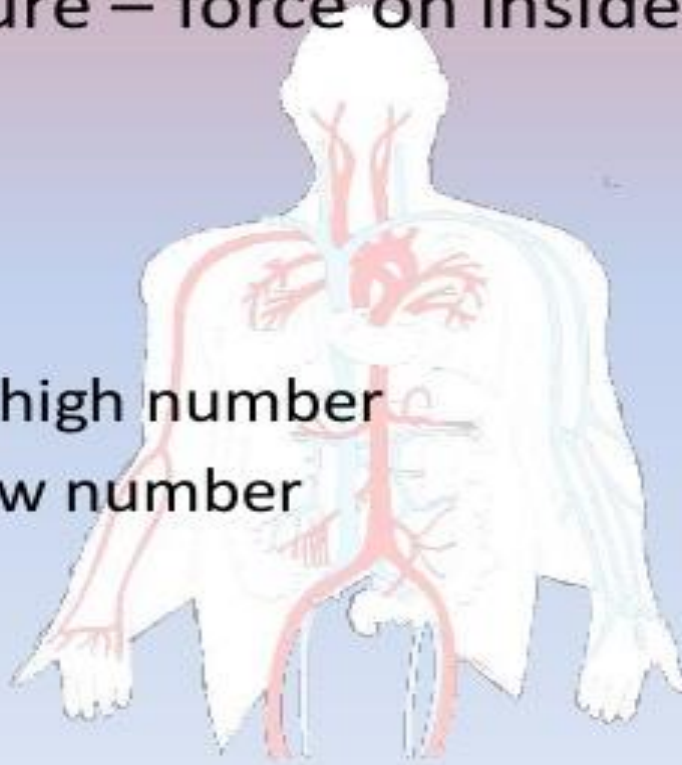
Circulatory System Includes

- Heart – organ that pumps blood throughout your body
- Blood vessels – tubes that carry blood throughout your body
 - Arteries – take blood away from the heart
 - Veins – take blood back to the heart
 - Capillaries – smallest blood vessels – carry blood from arteries to body cells and back to the veins



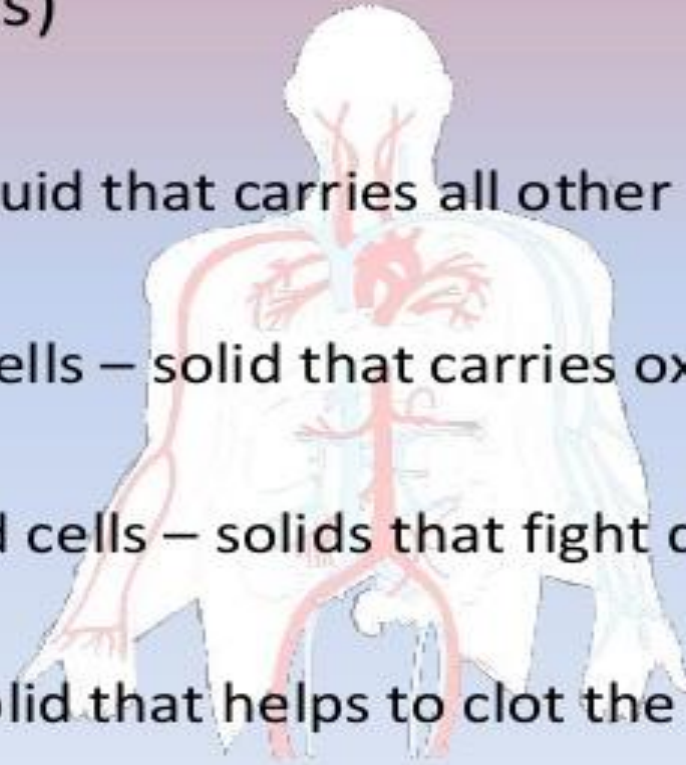
Circulatory System

- Blood pressure – force on inside walls of blood vessels
- Normal
 - 110-140 – high number
 - 70 - 90 – low number



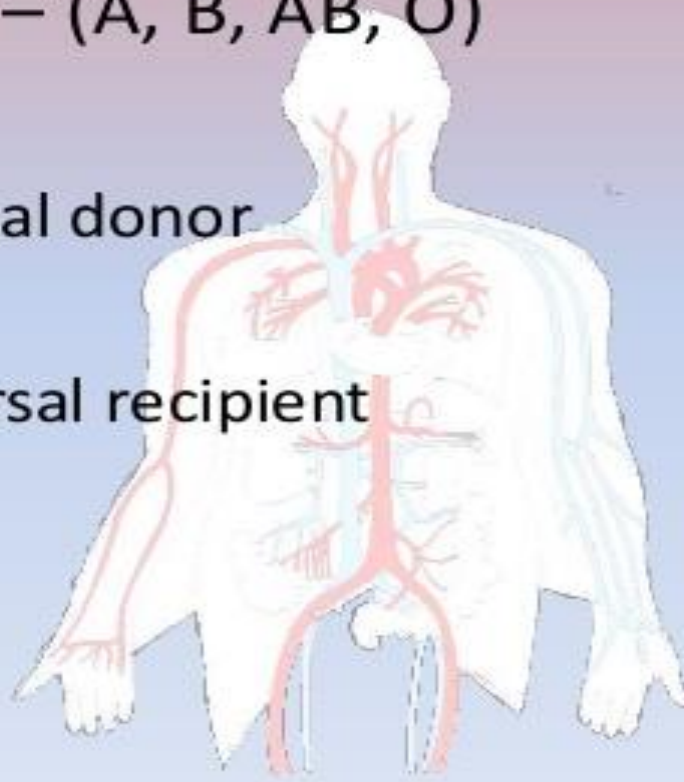
Circulatory System Includes

- Blood – (parts)
 - Plasma – liquid that carries all other parts along
 - Red blood cells – solid that carries oxygen to the cells
 - White blood cells – solids that fight disease
 - Platelet – solid that helps to clot the blood



Circulatory System Includes

- Blood types – (A, B, AB, O)
 - O – universal donor
 - AB – universal recipient



Care of Circulatory System

- Eat balanced diet
- Exercise
- Maintain ideal weight
- Avoid smoking
- Lower your stress



Problems of the Circulatory System

- Leukemia – disease of both bones and blood
- Hemophilia – disease in which blood clots little or not at all
- Arteriosclerosis – hardening of the arteries
 - Heart attack
 - Stroke
 - High blood pressure

