

Blood Vessels: The Vascular System - AP

- Taking blood to the tissues and back
 - Arteries
 - _____.
 - Capillaries
 - _____.
 - Veins
- Blood Vessels Anatomy
 - Three layers (_____)
 - Tunic intima
 - _____ of Endothelium
 - Tunic media
 - _____ of Smooth muscle
 - Controlled by _____ nervous system
 - Tunic externa
 - _____, mostly fibrous connective tissue
- _____ Between Blood Vessel Types
 - Walls of _____ are the thickest
 - _____ of veins are larger
 - Skeletal muscle “_____” blood in veins _____ the heart
 - Walls of capillaries are only _____ thick to allow for exchanges between blood and tissue
- _____ of Blood Through the Vessels
 - Most arterial blood is _____ by the heart
 - Veins use the milking action of _____ to help move blood
- _____ Beds
 - Capillary-exchange vessels
 - _____ cross to cells
 - _____ products cross into blood
- Pulse
 - _____ – pressure wave of blood
 - Monitored at “_____” where pulse is easily palpated
- Blood Pressure
 - Measurements by _____ are made on the pressure in large arteries
 - _____ – pressure at the peak of ventricular contraction
 - _____ – pressure when ventricles relax
 - Pressure in blood vessels _____ as the distance away from the heart increases

- Blood Pressure: Effects of Factors
 - _____ factors
 - Autonomic nervous system adjustments (_____)
 - _____ factors
 - Regulation by _____ blood volume
 - Temperature
 - Heat has a _____ effect
 - Cold has a _____ effect
 - Diet
- _____ in Blood Pressure
 - Human _____ is variable
 - Normal
 - _____ systolic
 - _____ diastolic
 - Hypotension
 - Low systolic (_____)
 - Often _____ with illness
 - Hypertension
 - High systolic (_____)
 - Can be dangerous if it is _____.