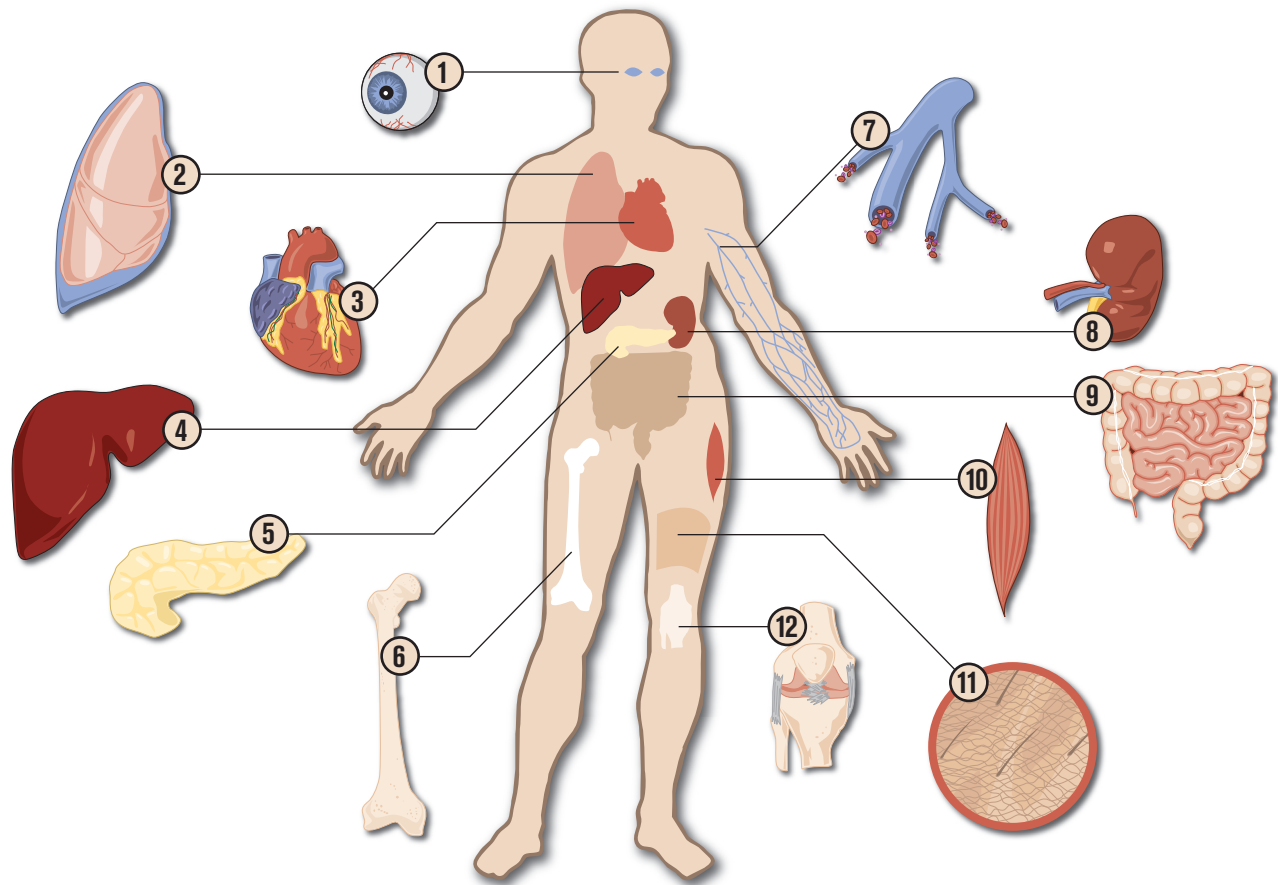


GIFTS OF DONATION

Organs and Tissues: Their Functions



1. EYES/CORNEAS

Function: allows light in to provide sight

Application: restores vision

2. LUNGS

Function: provides oxygen to the blood

Application: replacement for patients with cystic fibrosis, emphysema or other end-stage disease

3. HEART/HEART VALVES

Function: pumps blood to the body

Application: organ and aortic pulmonary and mitral valves can be transplanted to correct defects

4. LIVER

Function: regulates energy, breaking down proteins, and removing wastes from the blood

Application: replacement for patients with end-stage liver disease, hepatitis or cirrhosis

5. PANCREAS

Function: secretes enzymes necessary for digestion and insulin to regulate blood sugar

Application: replacement of diseased pancreas in the diabetic; eliminates need for insulin

6. BONE

Function: structural support of the body, protects vital organs

Application: facial reconstruction, limb salvage, correction of birth defects, cancer treatments, spinal and oral surgery

7. VEINS

Function: returns deoxygenated blood to the heart

Application: restores blood flow to ischemic areas of the heart; restores blood flow for limb salvage, dialysis access

8. KIDNEYS

Function: extracts wastes and excess water from the blood; produces hormones that help regulate blood pressure

Application: replacement for patients with failure, removing them from dialysis

9. SMALL INTESTINE

Function: aids in digestion and the absorption of nutrients into the body

Application: restores the absorption of nutrients and other dietary needs

10. FASCIA

Function: fibrous membrane that covers, supports and separates the muscles

Application: restores support, limb and soft tissue repair, reconstructive and facial repair

11. SKIN

Function: provides the body with protection from infection and necessary temperature control

Application: restores the protective barrier to the body, protects against infection

12. CARTILAGE

Function: connective tissue that serves as structural support in some areas (e.g., nose and outer ear)

Application: reconstructive surgery