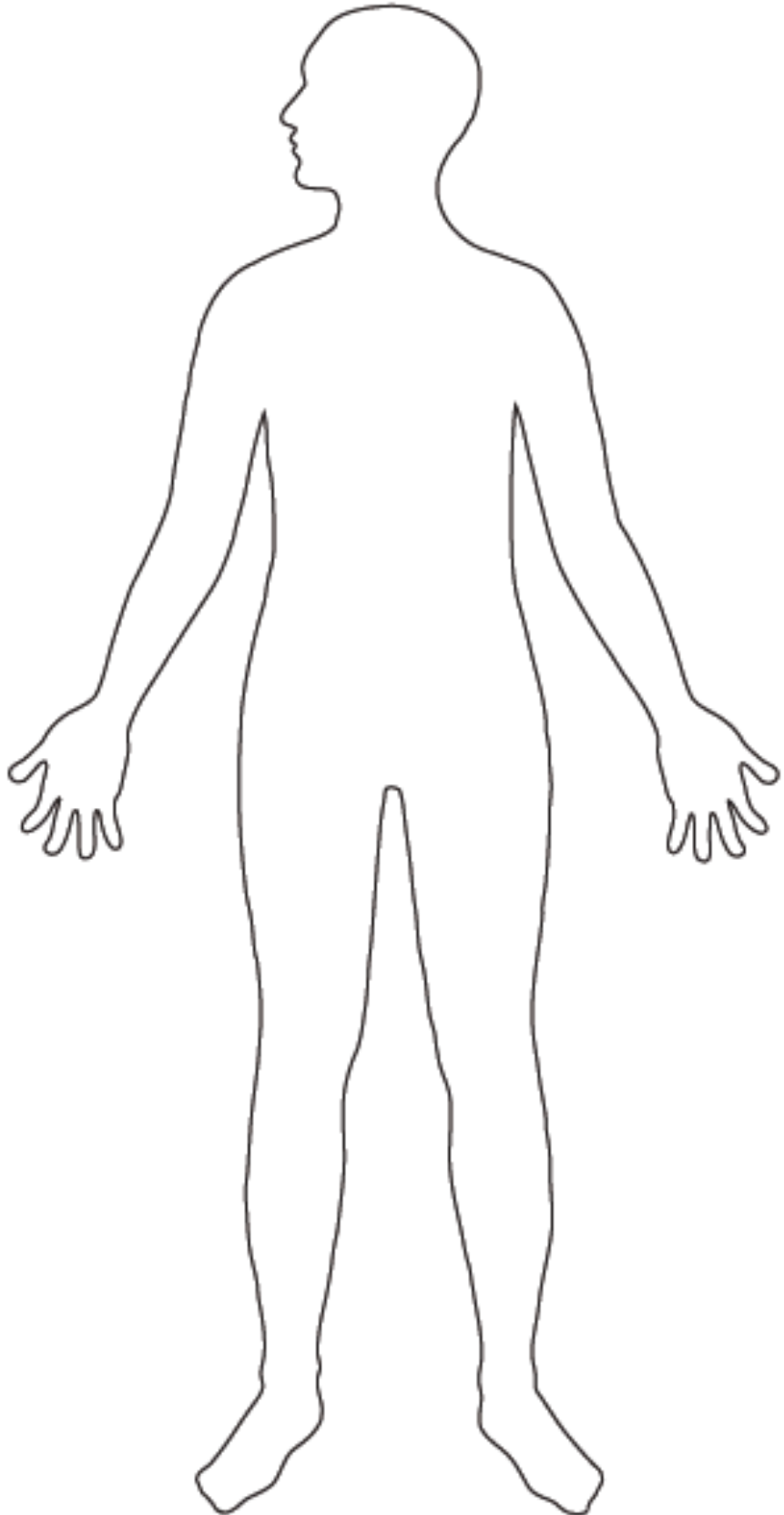


The Circulatory System

Imagine that you are a drop of blood. What path would you follow through a human's body as you travel from the left little toe, through the heart, and into the right big toe? Draw that path on this body diagram.

- a. Draw a heart (including all the chambers)
- b. Add enough vessels going from the heart, out to the toe, and back to the heart to trace the path of a drop of blood from the left little toe to the right big toe.
- c. Draw arrows inside or along the vessels to indicate which way the blood flows. Color should also be used (red usually indicates blood with oxygen and blue blood without oxygen).
- d. Label your drawing. Include the following:
 - a. Veins
 - b. Arteries
 - c. All four chambers of the heart
 - d. The lungs
- e. Capillaries



The Circulatory & Urinary Systems in Regulation of the Body

Complete the table with the help of the videos, *The Circulatory System* and *Regulation in the Urinary System*, and the essays *Making exchanges Throughout the Body* and *Disposing of Wastes*. There may be some situations where exchange does not take place.

Tissues of the Skin			
Tissues of the liver			
Tissues of the intestines			
Tissues of the lungs			
Tissues of the kidneys			
Tissues of the toe			
Direction of exchange	Tissue to blood	Blood to tissue	Tissue to external environment