





## Circulation Basics Pulmonary Circuit: Carries blood to and from the lungs Systemic Circuit: Carries blood to and from the rest of the body Carries blood to and from











## Four-Chambered Heart • Rt atrium • receives blood from systemic circ. • Inferior and superior vena cava • Lt atrium • receives blood from pulmonary circ. • Lt and Rt pulmonary veins

## Four-Chambered Heart

## • Rt ventricle

- discharges into pulmonary circ.
- Pulmonary trunk  $\rightarrow$  lt and rt pulmonary arteries
- Lt ventricle
  - discharges into systemic circ.
  - Ascending aorta
- Septum: separates It from rt

















































