CARDIAC, PULMONARY, AND SYSTEMIC CIRCULATIONS

Copy this information in your notes
CARDIAC CIRCULATION
• blood supply to heart muscle itself
• heart uses 80% of oxygen brought to it
• heart muscle cells are closer to capillaries (10 um) than all other cells are (60-70 um)
• heart muscle is supplied by right and left coronary arteries

PULMONARY CIRCULATION
• brings blood to/from the lungs
• includes pulmonary arteries/veins
SYSTEMIC CIRCULATION
• brings blood mainly from *aorta* and its branches to the various organs/tissues of the body
• includes arteries such as:
  - *carotid artery* (blood to head)
  - *iliac artery* (blood to leg)
  - *renal artery* (blood to kidney)
• also includes veins such as:
  • *jugular vein* (blood from head)
  • *subclavian vein* (blood from shoulder)
  • *femoral vein* (blood from leg)