

- **Pulmonary circulation:** short loop that runs from heart to lungs and back to heart
- **Systemic circulation:** long loop to all parts of body and back to heart
 - L ventricle →
 - Ascending aorta
 - L&R coronary arteries
 - Ascending aorta →
 - Brachiocephalic (R)
 - L common carotid (L)
 - L subclavian (L)
 - Brachiocephalic becomes →
 - R subclavian, becomes →
 - R axillary → arteries of R upper limb
 - R vertebral (branch off R subclavian)
 - R common carotid (branch off brachiocephalic) →
 - R external carotid
 - R internal carotid
 - L common carotid →
 - L external carotid
 - L internal carotid
 - L subclavian becomes →
 - L axillary → arteries of L upper limb
 - L vertebral (branch off L subclavian)
 - External carotid arteries branch (inferior to superior) →

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Page 5 of 8