

# UPGRADE to the Bundle

## Crash Course ANATOMY & PHYSIOLOGY 48 Episode Series Bundle

- ✓ Classroom Ready - Just Print and Go!
- ✓ Active Engagement - Keep Students' Attention
- ✓ Direct Video Link Included

WATCH VIDEO



ALL 48 Episodes with Answer  
Keys and Direct Video Link

CLICK HERE



### Crash Course Anatomy & Physiology #27: Blood Vessels – Part 1

Name: \_\_\_\_\_ Date: \_\_\_\_\_

You can access the video here → <https://youtu.be/y43q5KCeB0s?si=Ltr/yaaiJ8OTUc>

1. Blood vessels are active, dynamic \_\_\_\_\_, not just passive tubes.
2. The three major types of blood vessels are \_\_\_\_\_, \_\_\_\_\_, and \_\_\_\_\_.
3. Tiny blood vessels that act as a transfer station between arteries and veins are called \_\_\_\_\_.
4. Small branches of arteries that lead into capillaries are called \_\_\_\_\_.
5. The smallest vein components that collect blood from capillaries are \_\_\_\_\_.
6. Most blood vessels share three layers of tissue, called \_\_\_\_\_.
7. The innermost layer of a blood vessel is the \_\_\_\_\_, which contains the endothelium.
8. The middle layer of a blood vessel, made of smooth muscle and elastin, is the \_\_\_\_\_.
9. The widening of a blood vessel due to relaxation of smooth muscle is called \_\_\_\_\_.
10. The narrowing of a blood vessel due to contraction of smooth muscle is called \_\_\_\_\_.
11. The outermost layer of a blood vessel, made mostly of collagen fibers, is the \_\_\_\_\_.
12. The largest artery in the body, which carries blood from the left ventricle, is the \_\_\_\_\_.
13. Arteries that contain the most elastin and act as pressure reservoirs are called \_\_\_\_\_ arteries.
14. Veins, especially in the limbs, contain \_\_\_\_\_ that prevent backflow of blood.
15. If these valves fail, blood can pool and twist the veins, leading to \_\_\_\_\_ veins.

### Crash Course Anatomy & Physiology #27: Blood Vessels – Part 1 KEY

1. Blood vessels are active, dynamic **organs**, not just passive tubes.
2. The three major types of blood vessels are **arteries**, **veins**, and **capillaries**.
3. Tiny blood vessels that act as a transfer station between arteries and veins are called **capillaries**.
4. Small branches of arteries that lead into capillaries are called **arterioles**.
5. The smallest vein components that collect blood from capillaries are **venules**.
6. Most blood vessels share three layers of tissue, called **tunics**.
7. The innermost layer of a blood vessel is the **tunica intima**, which contains the endothelium.
8. The middle layer of a blood vessel, made of smooth muscle and elastin, is the **tunica media**.
9. The widening of a blood vessel due to relaxation of smooth muscle is called **vasodilation**.
10. The narrowing of a blood vessel due to contraction of smooth muscle is called **vasoconstriction**.
11. The outermost layer of a blood vessel, made mostly of collagen fibers, is the **tunica externa**.
12. The largest artery in the body, which carries blood from the left ventricle, is the **aorta**.
13. Arteries that contain the most elastin and act as pressure reservoirs are called **elastic** arteries.
14. Veins, especially in the limbs, contain **valves** that prevent backflow of blood.
15. If these valves fail, blood can pool and twist the veins, leading to **varicose** veins.

15 Questions

Answer Key Included

# Save 85% per worksheet!