LESSON 3 • Blood Vessels — Built for Different Jobs

Answer these questions using PowerPoint Slides 13–17

1. Complete the comparison table using evidence from the image and your lesson discussion.

Feature	Artery	Vein	Capillary
Wall			
Lumen			
Valves?			
Main job			

2. Why do arteries need thicker muscular walls than veins?

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3. Why are valves useful in veins?

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4. Describe two features of capillaries that make them suitable for exchange with body cells.

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5. Use arrows or words to complete the exchange summary.

Moves from blood to cells	Moves from cells to blood

6. A red blood cell is wider than some capillaries. It can bend to squeeze through. How might this help exchange occur efficiently?

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7. Which blood vessel would you choose for each job? Explain one answer.

Job	Vessel
Carry blood away from the heart	
Return blood to the heart	
Exchange substances with cells	