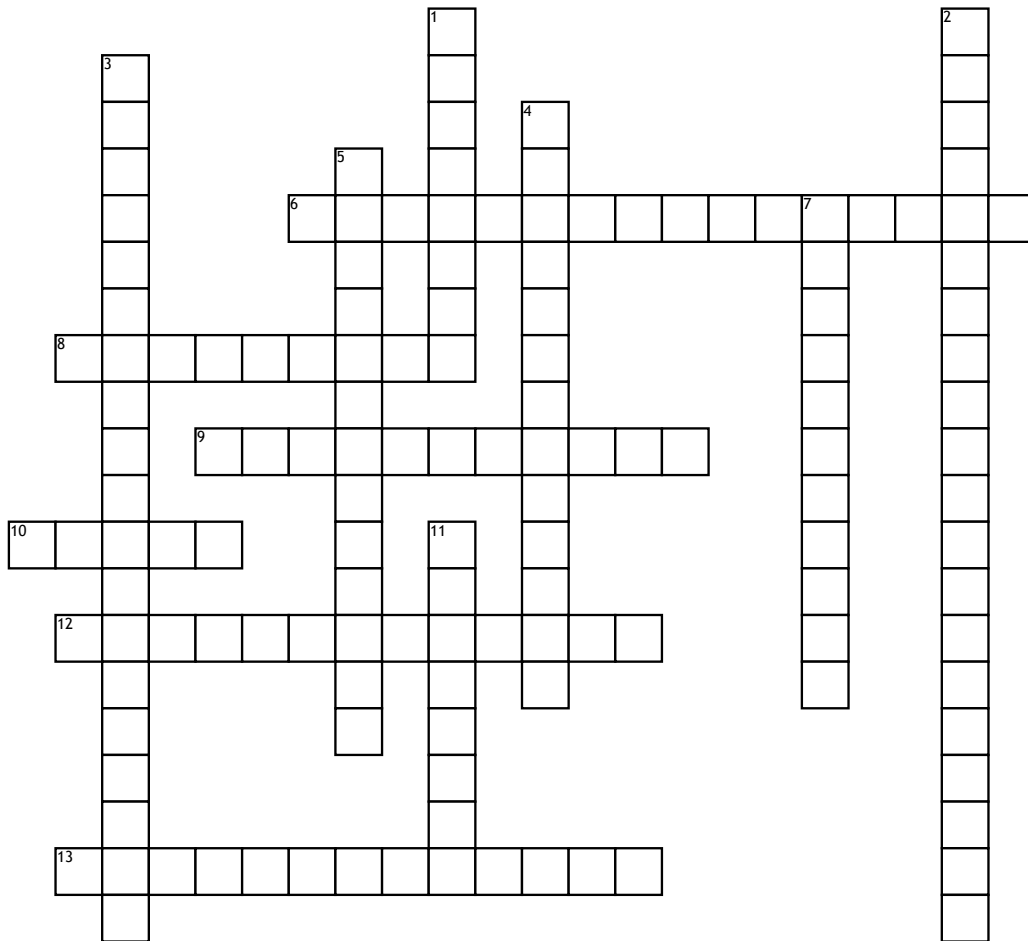


Chapter 8: Blood Vessels



Across

6. When smooth muscle contracts, the diameter of the vessel decreases

8. Type of pressure when arteries recoil, and decreases

9. Middle layer composed of smooth muscle, collagen, and variable amounts of elastic tissue

10. The main artery of the body; it is connected to the left ventricle of the heart

12. Innermost layer composed of the endothelium that provides a smooth lining

13. Blood flows through the primary and secondary set of capillary beds

Down

1. Higher pressure

2. Right ventricle pumps deoxygenated blood into the pulmonary trunk

3. Left ventricle pumps oxygenated blood into the aorta

4. Pressure exerted by circulating blood upon the walls of blood vessels.

5. Tissue relaxes, diameter increases

7. Allow oxygen and other nutrients to pass through into organs and tissues

11. Carry blood away from the heart

Word Bank

Portal systems

Pulmonary circulation

Vasoconstriction

Aorta

Systemic circulation

Vasodilation

Tunica interna

Diastolic

Blood pressure

Tunica Media

Arteries

Systolic

Capillaries