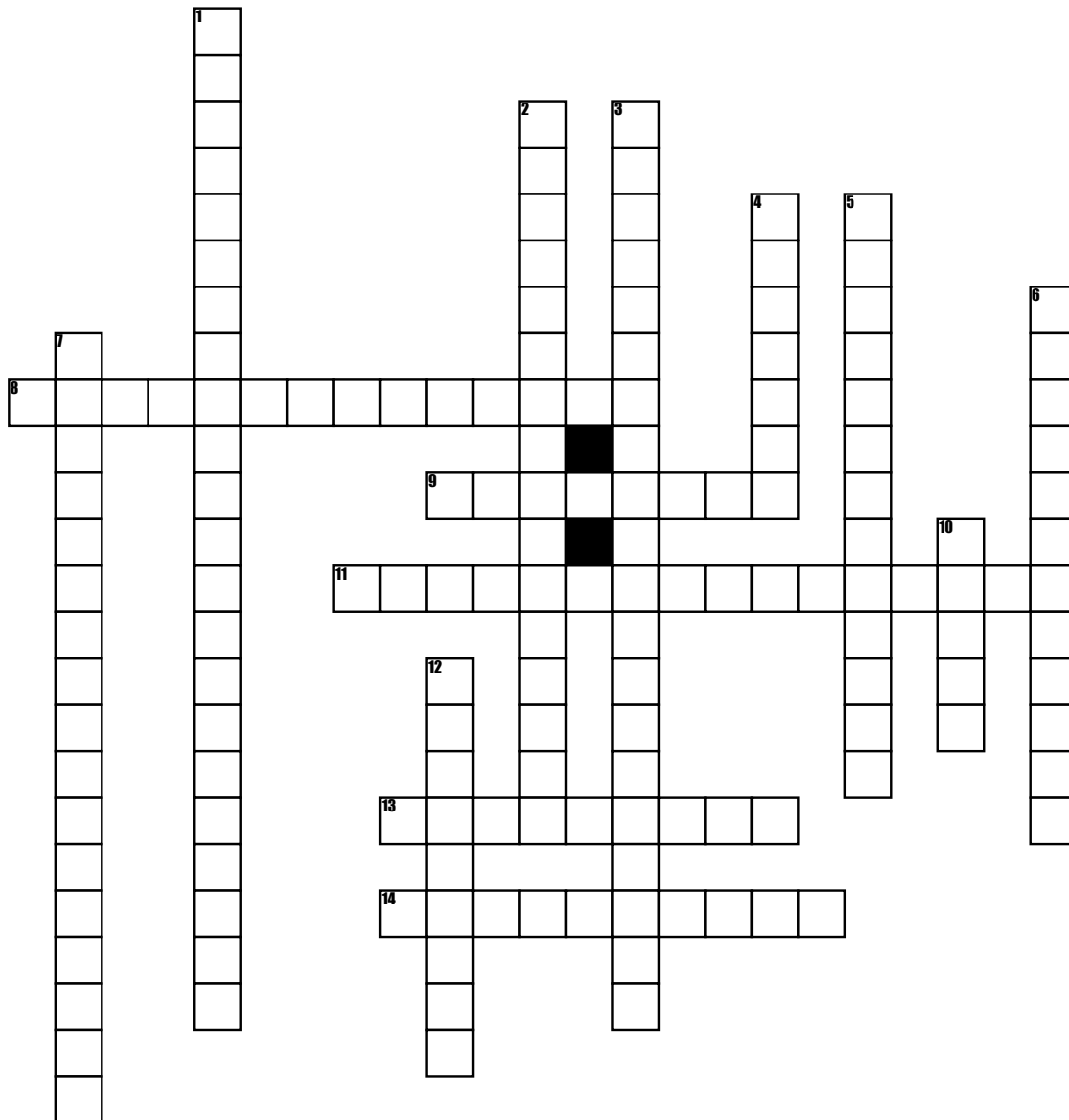


Lesson 4.2 The Heart at Work



Across

8. A small mass of tissue that is made up of Purkinje fibers, ganglion cells, and nerve fibers, that is embedded in the musculature of the right atrium, and that originates the impulses stimulating the heartbeat

9. The stage of the heart cycle in which the heart muscle is relaxed

11. The pressure generated by the left ventricle during systole.

13. A measure of cardiac activity usually expressed as the number of beats per minute.

14. The study of the heart and its action and diseases.

Down

1. A measurement of heart electrical activity.

2. An instrument for measuring blood pressure and especially arterial blood pressure.

3. a mass of conducting cells located at the atrioventricular junction in the heart

4. The stage of the heart cycle in which the heart muscle contracts and the chambers pump blood.

5. Pressure exerted by the blood upon the walls of the blood vessels

6. An abnormally high blood pressure.

7. Blood pressure that remains between heart contractions.

10. The rhythmic expansion and recoil of arteries resulting from heart contraction; can be felt from the outside of the body.

12. An electrical device for stimulating or steadying the heartbeat or reestablishing the rhythm of an arrested heart.