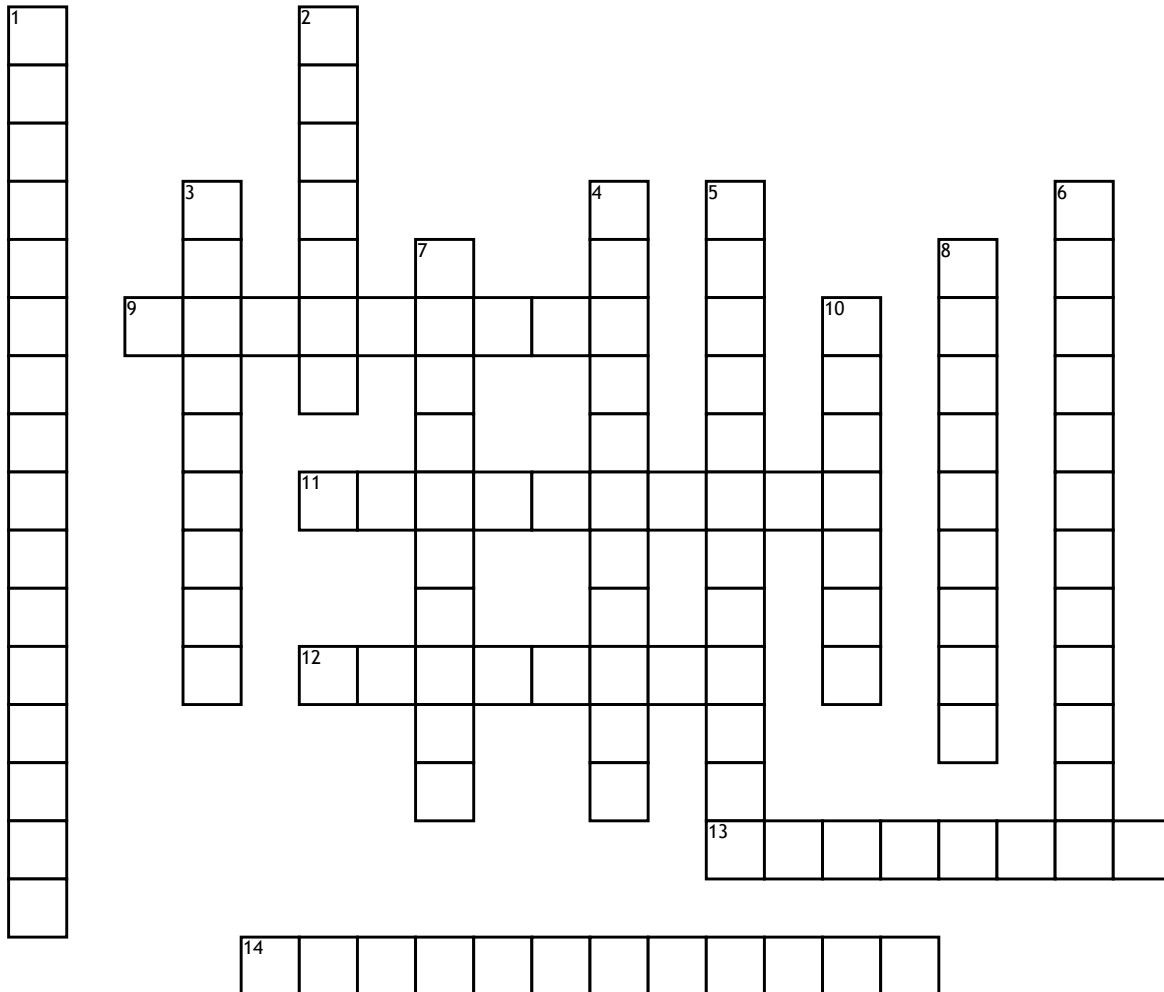


Endotherms



Across

9. Building up fat stores and lowering an animals metabolic rate to survive cold temperatures.

11. chemical reactions that take place within each cell of a living organism and that provide energy for vital processes

12. The action of giving out sweat through the pores of the skin to increase heat loss

13. Evaporates from the surface of the skin, heat is lost, cooling the blood below the surface.

14. Regulates temperature

Down

1. Arterioles near the surface of the skin constrict

2. A thick layer of insulating fat underneath the skin found in whales and seals.

3. The rapid involuntary contracting and relaxing of the large muscles in the body when core temperature falls.

4. Hair erector muscles

5. Vessels that provide a direct connection between the arterioles and venules.

6. Arterioles near the surface of the skin dilate when temperature rises.

7. Animal which rely on their metabolic processes to warm them up.

8. Increases during vasodilation and decreases during vasoconstriction.

10. group of vertebrate animals which form the class Mammalia