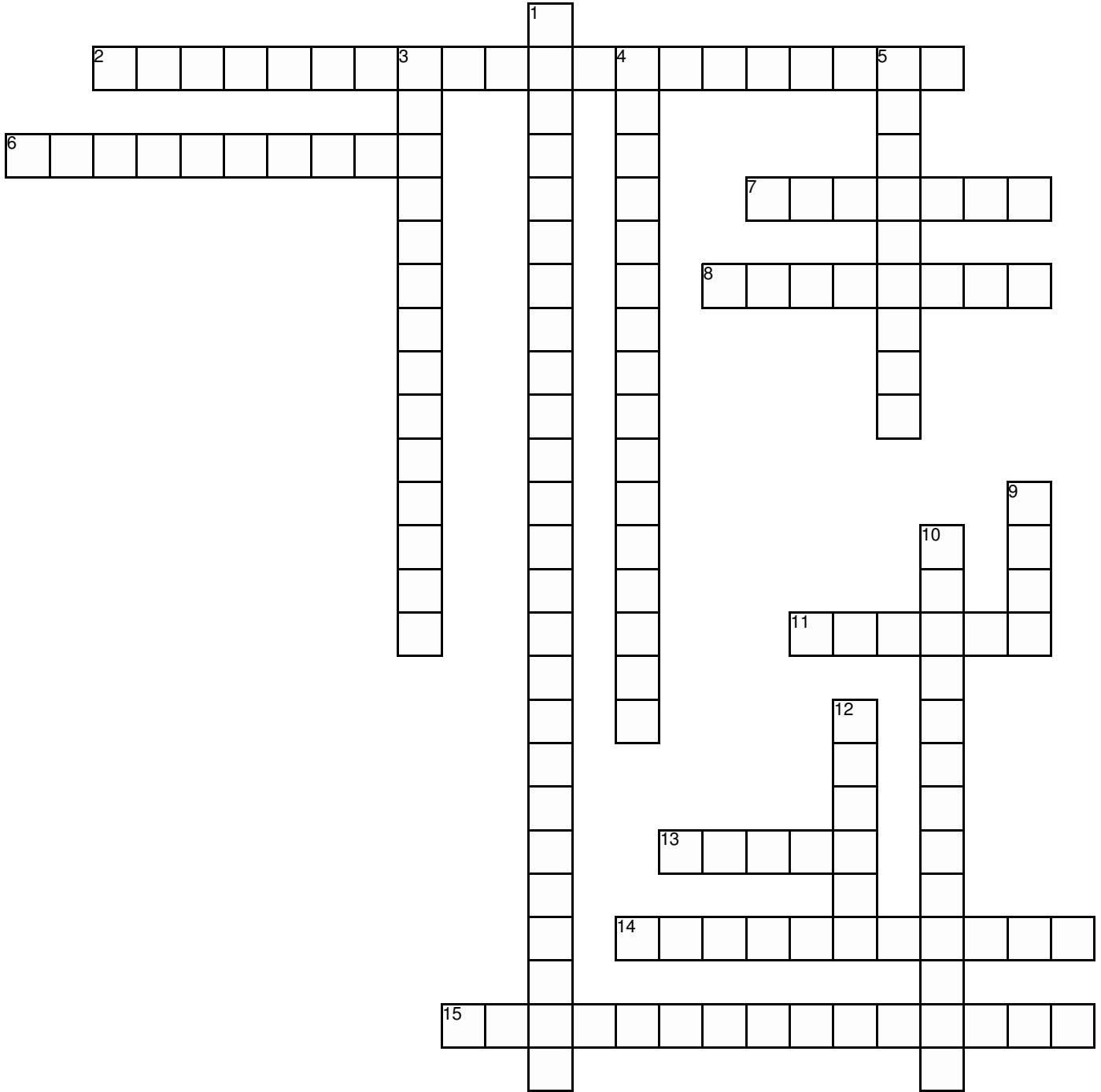


Name: _____

Unit 2: Earthquakes & plate tectonics

Complete the crossword below using Chapters 8 and 9 in your textbook.



Across

- 2.** states that the uppermost mantle and crust behave as a strong, rigid layer
- 6.** transfer of heat by the movement of a mass or substance
- 7.** supercontinent
- 8.** mechanism of plate motion in which cool and dense oceanic crust sinks in the asthenosphere and pulls the trailing lithosphere along
- 11.** Earth's layer that is underneath the crust and is a solid, rocky shell
- 13.** thick, rocky outer layer of Earth
- 14.** Earth's outermost layer made of crust and uppermost mantle
- 15.** major interactions that occur between lithospheric plates

Down

- 1.** causes thermal convection in the mantle that drives plate motion
- 3.** movement of mantle and lithospheric plates due to unequal heat distribution
- 4.** hypothesis which states that the continents had once been joined to form a single supercontinent
- 5.** mechanism of plate motion that causes oceanic lithosphere to slide down the sides of the oceanic ridge
- 9.** center layer of Earth made of iron-nickel alloy
- 10.** weak layer beneath the lithosphere
- 12.** segments of lithosphere