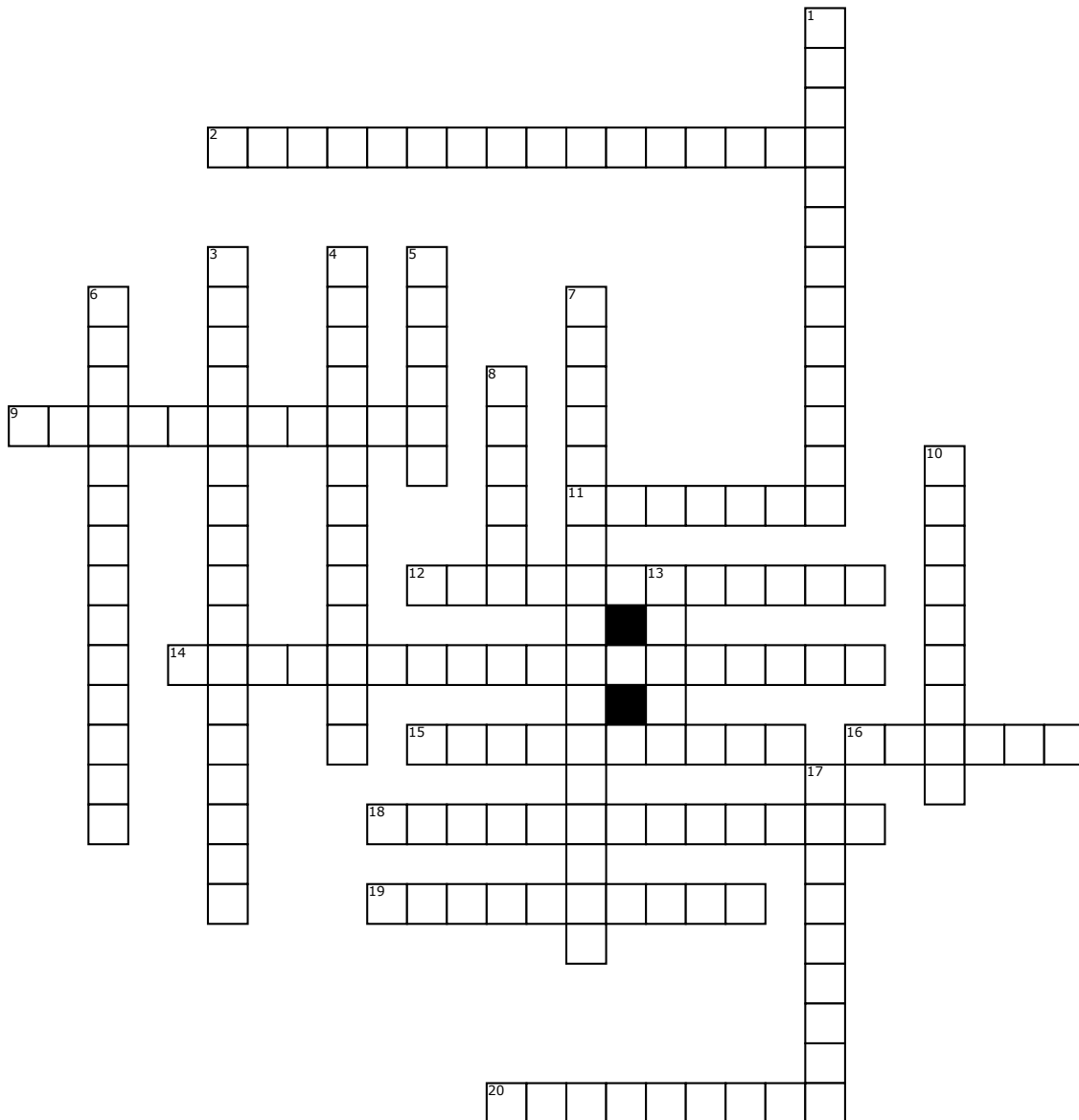


Earth's Structure and Plate Tectonics



Across

- 2.** type of crust found on earth's continents; usually made of granite
- 9.** the uppermost mantle and crust
- 11.** the study of planet earth's physical structure and substance
- 12.** type of crust found under earth's oceans; usually made of basalt
- 14.** two plates move toward each other
- 15.** oceanic crust sinks under continental crust at a convergent boundary
- 16.** great single landmass that broke apart 200 million years ago, and formed today's continents

- 18.** American scientist who came up with the continental drift theory
- 19.** a representation of the Earth's surface features

- 20.** American geologist who discovered sea floor spreading by using sonar
- Down**
- 1.** where two or more plates meet
 - 3.** two plates move past each other in opposite directions
 - 4.** the soft layer of the mantle where the lithosphere forms
 - 5.** large sections of the earth's crust which make up the outermost layer of earth

- 6.** the theory that pieces of the lithosphere are in constant motion and driven by convection in the mantle
- 7.** two plates move away from each other
- 8.** the layer of hot, molten material between earth's crust and core
- 10.** great landmass surrounded by ocean
- 13.** outermost layer of the earth. consists of continental and oceanic plates
- 17.** large-scale processes affecting earth's crust