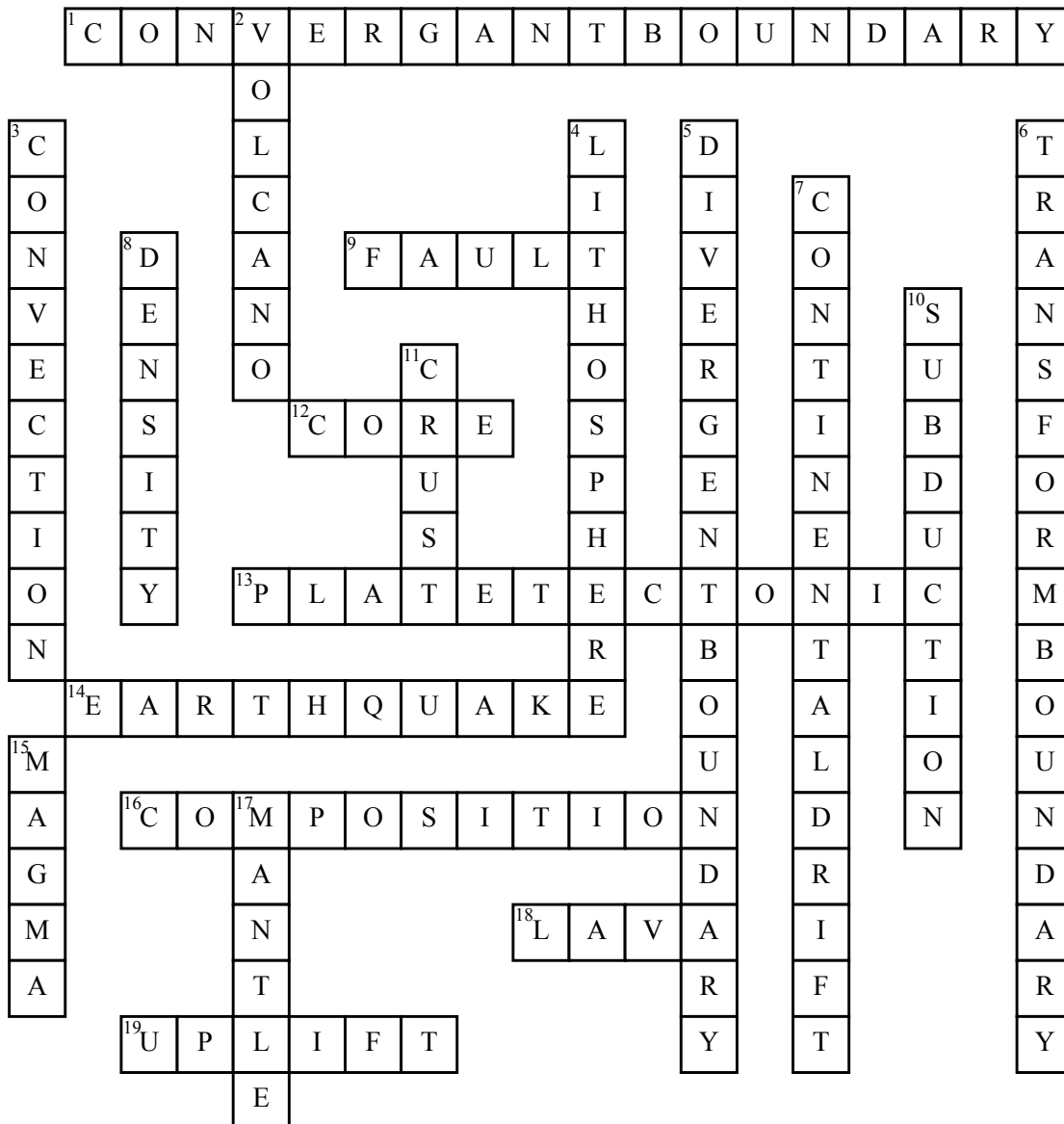


Appetizer



Across

1. the boundary between two colliding tectonic plates
9. a break in the Earth's crust along which blocks of the crust slide relative to one another due to tectonic forces
12. the central, spherical part of the Earth below the mantle
13. the theory that the Earth's lithosphere is divided into tectonic plates that move around on top of the asthenosphere and mantle
14. : a shaking or trembling of a portion of the earth
16. the makeup of a rock; describes either the minerals or elements present in it
18. magma that flows onto the Earth's surface

19. an act, process, or result of lifting up a part of the Earth's surface

Down

2. a mountain that forms when molten rock, called magma, is forced to the Earth's surface
3. the transfer of thermal energy by the circulation or movement of a liquid or a gas
4. the outermost, rigid layer of the Earth that consists of the crust and the rigid upper part of the mantle
5. the boundary between two tectonic plates that are moving away from each other
6. the boundary between two tectonic plates that are sliding past each other horizontally

7. the theory that continents can drift apart from one another and have done so in the past
8. the amount of matter in a given space; mass per unit volume
10. the region where an oceanic plate sinks down into the asthenosphere at a convergent boundary, usually between continental and oceanic plates
11. the thin, outermost layer of the Earth, or the uppermost part of the lithosphere
15. the hot liquid that forms when rock partially or completely melts; may include mineral crystals
17. the layer of the Earth between the crust and the core