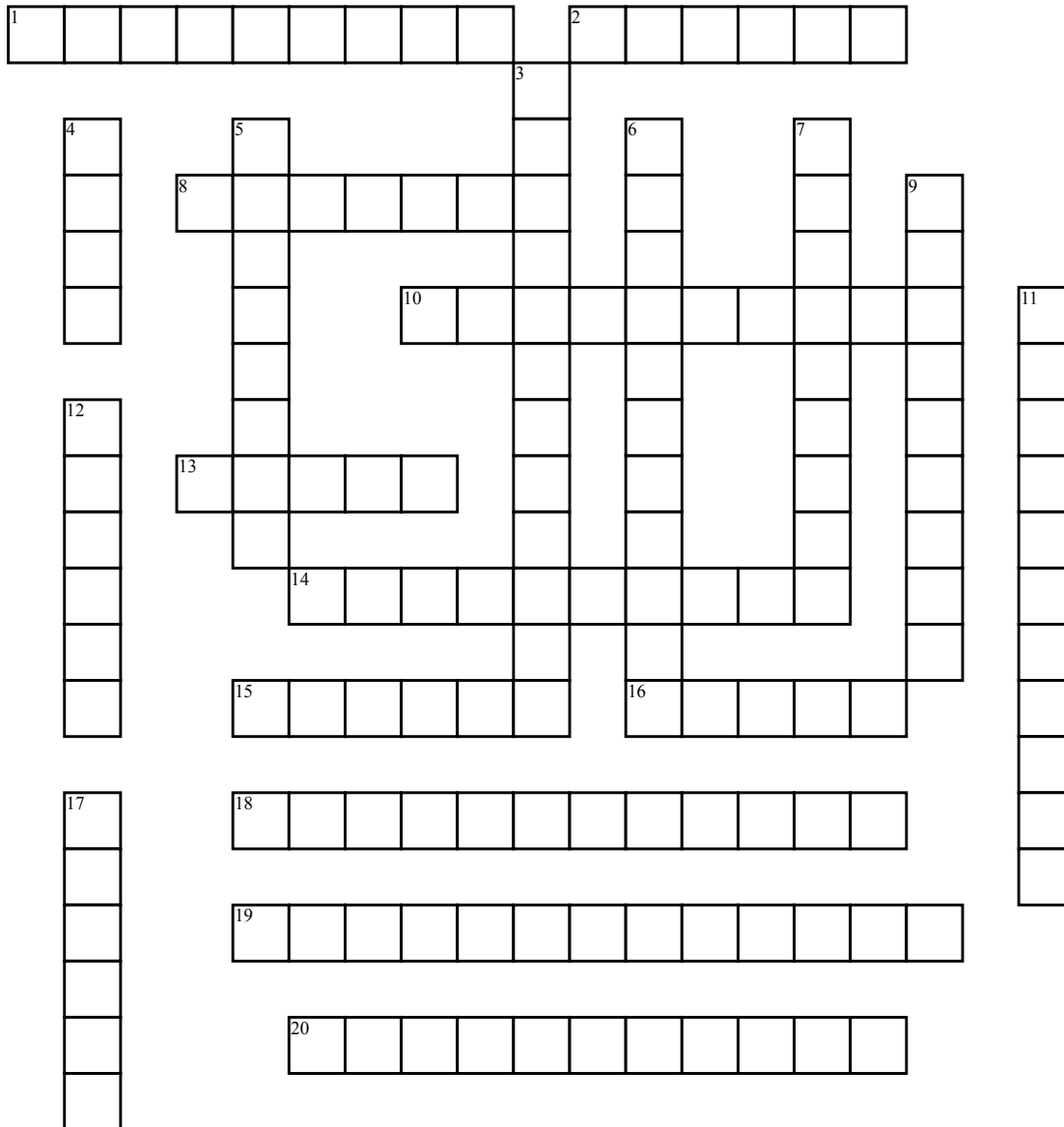


Center of the Earth



Across

- 1. (2300 km thick) very hot liquid
- 2. Second layer of earth (2900 km thick) made of hot rock, but the rock a solid
- 8. Why color is coarse texture (10 to 40 km thick)
- 10. Heat transfer by movements of currents within a fluid
- 13. Thin layer (5 to 70 km thick) of solid rock that includes both dryland in the ocean floor
- 14. Heat transfer when objects touch
- 15. Dark rock with fine texture, very dense (5 to 10 km thick)

- 16. Third planet from the sun and the only object in the universe know toThird ha third planet from the sun to harbor life
- 18. Travel along surface of Earth. Move slowly
- 19. Softer (like tar in the sun or a Tootsie Roll in your pocket) extends to about 350 km deep
- 20. Increases as you go down. Start at 20 m down and rises one Celsius degree every 40 m from that point

Down

- 3. Crossed under ocean, made of mostly basalt
- 4. Made mostly of Fe and Ni
- 5. Increases as you go down because of the weight of earth above

- 6. Hot, but solid extends all the way to earth's core
- 7. Transfer of heat by waves, travels through space
- 9. (1200 km thick) very hot, but the pressure pushes the Adams together keeping it solid
- 11. Upper part of mantle and the crest above it parenthese upper part of mantle and the crust above it (about 100 km thick)
- 12. Secondary waves side to Side and up-and-down. Cannot travel through liquids
- 17. Crust squeezes back and forth like an accordian