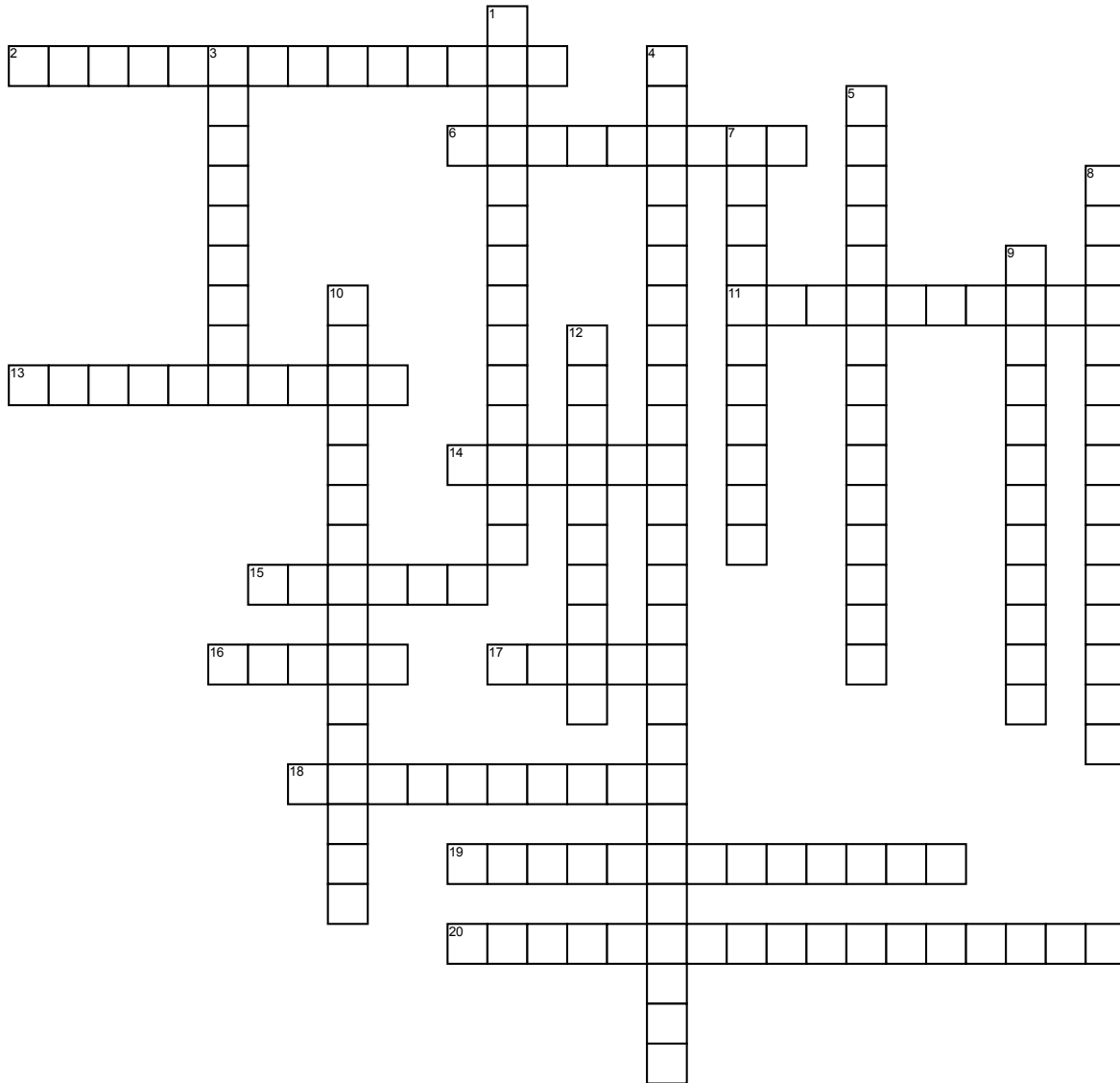


Name: _____

Date: _____

waves



Across

- 2. Pass through skin, not bone.
- 6. A certain number of waves pass a point in a given amount of time. Measured in waves per second.
- 11. When a wave moves at an angle from a more dense medium (water) to a less dense medium (air), it is bent away from the normal.
- 13. The distance from the crest or trough of one wave to the crest or trough of the next wave. Measured in m or cm.
- 14. Any substance through which waves can travel.
- 15. The low point of a transverse wave.
- 16. are disturbances that transfer energy from place to place.

- 17. The high point of a transverse wave.
 - 18. Absorbed by water molecules.
 - 19. The frequency (waves/sec.) of a wave can appear to change as the wave source moves toward you or away from you.
 - 20. A wave in which the particles of the medium move back and forth in the direction of the wave motion.
- Down**
- 1. Felt as heat.
 - 3. When a wave moves through a medium, the particles of the medium are moved from their rest position. This distance the particles are moved is called amplitude, the height.

- 4. The name given to a group of energy waves that are mostly invisible and can travel through empty space
- 5. Shortest wavelength (highest energy).
- 7. A clap of thunder pushes the particles of air close together. The compressed particles move forward in the direction of the wave motion.
- 8. The particles of the medium move up and down at right angles to the direction of the motion of the wave.
- 9. Can be seen as colors.
- 10. Can kill living cells.
- 12. Longest wavelength.