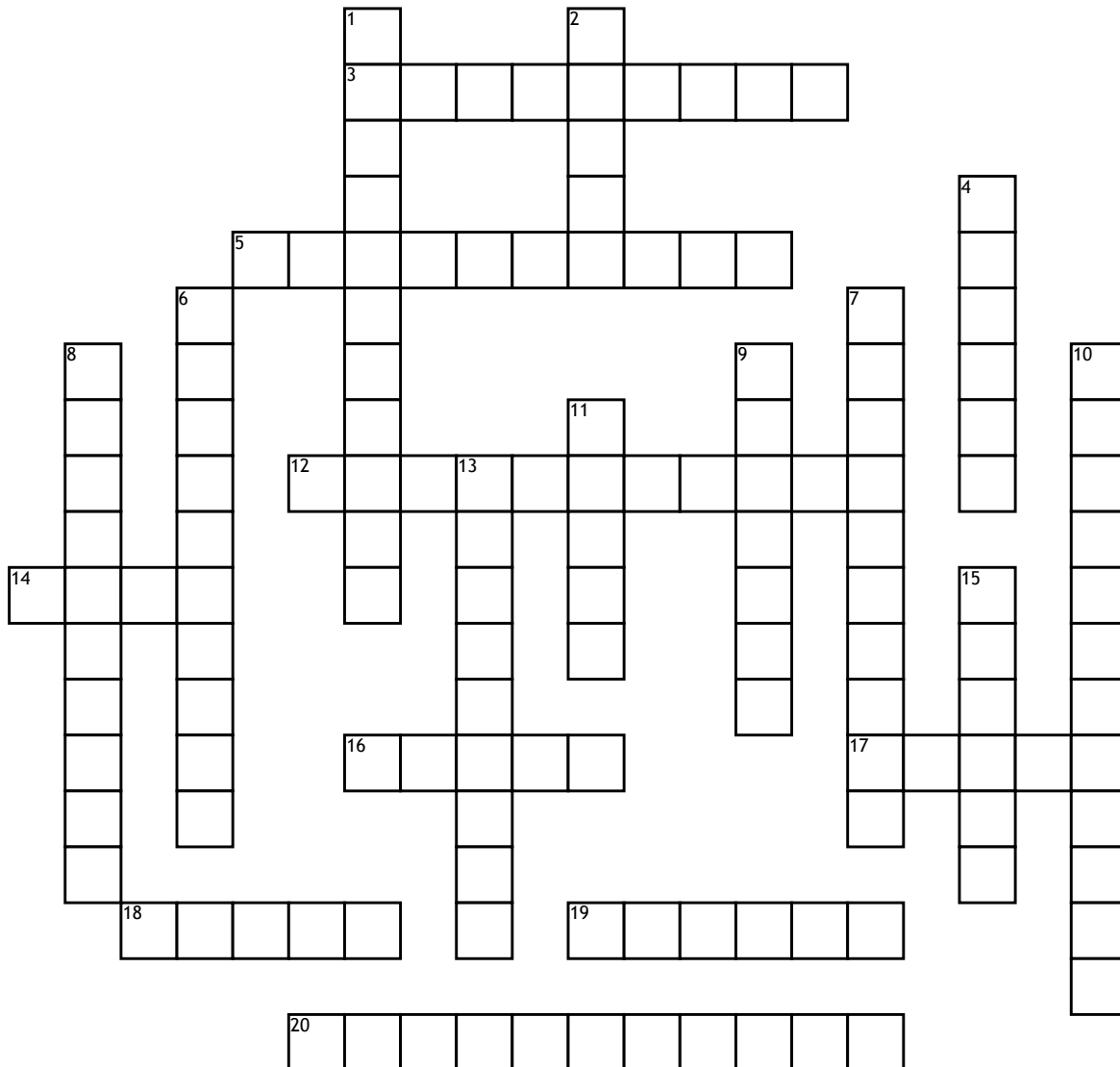


Name: _____

Date: _____

Waves unit



Across

3. maximum displacement from rest position ; shows the amount of energy

5. occurs when a wave bounces off a surface that it cannot pass through; upside down

12. a change in the direction of a wave when the wave finds an obstacles or an edge , such as an opening

14. A disturbance that transfers energy from place to place

16. highest point of a wave

17. waves caused by vibrations that are transmitted through matter. example of longitudinal

18. how fast an object moves

18. how fast an object moves

19. the time it takes for one cycle

20. the part of a longitudinal wave where the particles of the medium are close together

Down

1. the part of longitudinal wave where the particles of the medium are far apart

2. Part of the Em spectrum . Electromagnetic radiation

4. material that carries waves ; solid ,liquid and gas

6. the distance between one crest or trough of a wave and next

7. A wave in which the particles vibrate at right angles to the direction of wave

8. a wave that require a medium to travel

9. waves of energy traveling through rock

10. A wave in which the particles move parallel to the path of the wave

11. electromagnetic waves used for communication on computers , phones ,etc.

13. the number of complete waves that pass a given point in a certain amount of time

15. Lowest point of a wave