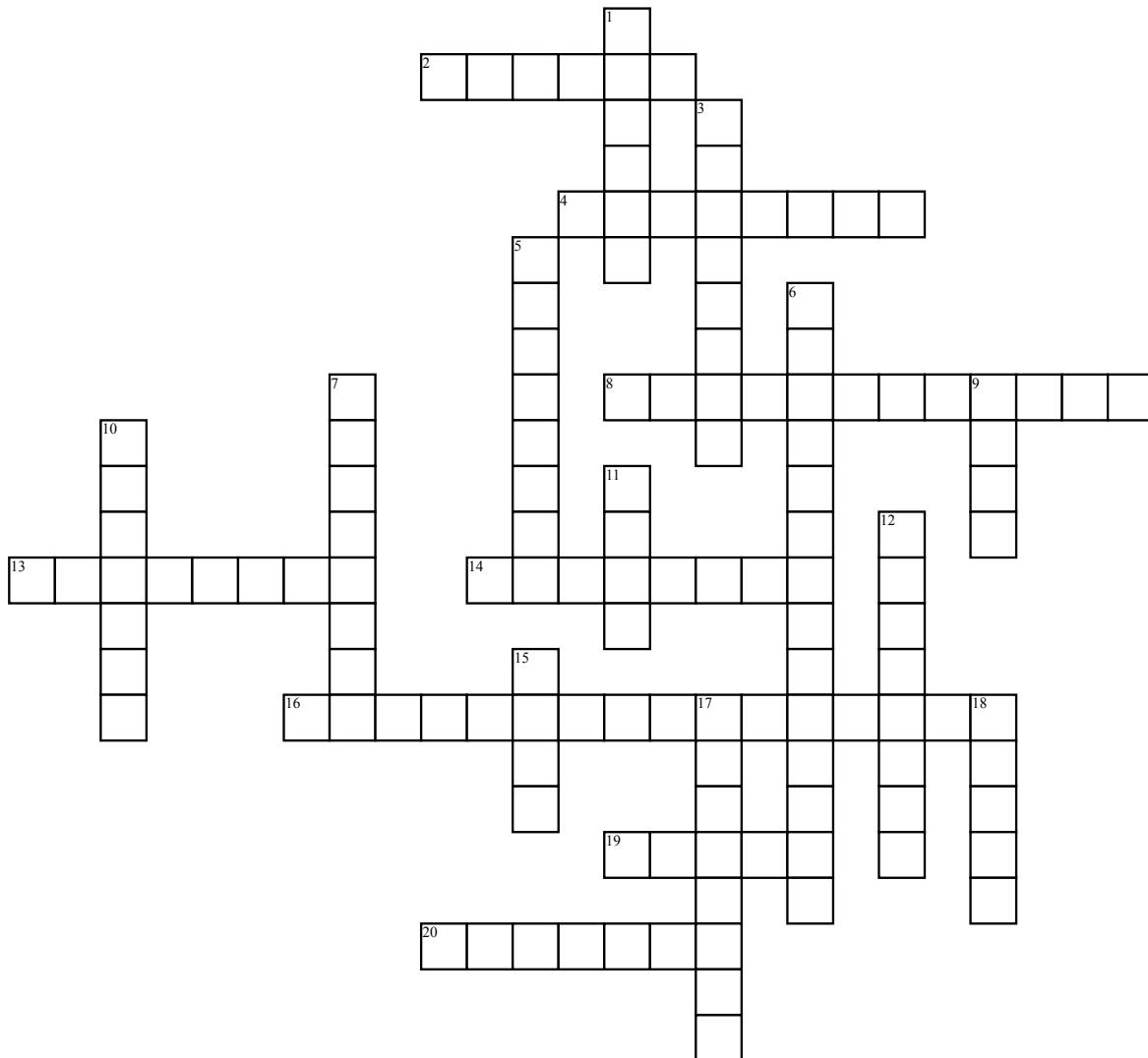


Force and Motion



Across

- 2. the force one object applies to a second as in Newton's third law of motion
- 4. uninterrupted in time and indefinitely long continuing
- 8. A change in velocity
- 13. change of position that does not entail a change of location
- 14. a process of becoming larger or longer or more numerous
- 16. forces that do not cancel each other out when acting together on a single object

19. A push or pull that acts on an object

20. The tendency of something to stay in rest or motion

Down

- 1. the action or process of moving or being moved
- 3. the property created by the space between two objects
- 5. Opposes the motion of one object moving past another
- 6. forces that cancel each other out when acting together on a single object

7. the force with which an object responds to an action as in Newton's third law of motion

9. the continuum of experience in which events pass to the past

10. A force that pulls objects towards the Earth

11. using force to move an object

12. The speed and direction of a moving object

15. the property of a body that causes it to have weight

17. a change downward

18. How fast an object's position is changing with time at any moment