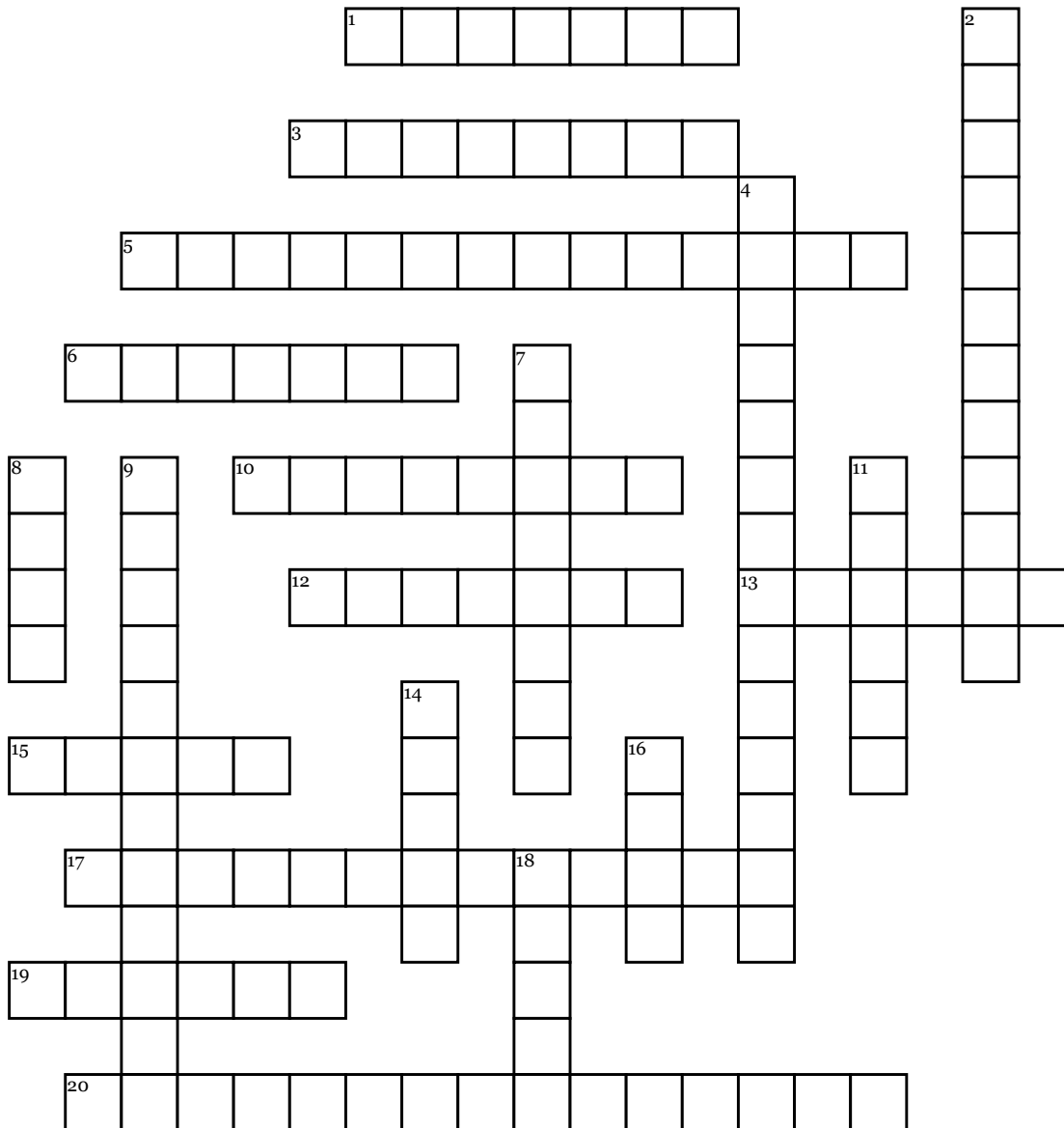


# Force and Motion



**Across**

- 1. The pivot point that the lever rests on.
- 3. The speed of an object and the direction it is traveling.
- 5. An indicator that orients you generally.
- 6. The attraction between the mass of Earth and an object.
- 10. The force the second object returns to the first, is the reaction.
- 12. The tendency of an object to resist a change in its current state of motion.
- 13. When one object applies a force to a second object.

- 15. How fast an object's position is changing over time.
  - 17. When the forces acting on an object equal each and cancel each other out.
  - 19. The force of gravity on any object.
  - 20. When the forces acting on an object are not equal and one force is greater than the other.
- Down**
- 2. A change in velocity (speed and direction).
  - 4. Machines with few or no moving parts that make work easier.

- 7. A force that acts against one object moving past another.
- 8. The amount of matter in an object.
- 9. A special acceleration when an object speed decreases.
- 11. The act of changing location from one place to another.
- 14. A rigid bar that rests on a pivot point.
- 16. Using force to move an object through a distance.
- 18. A push or pull that acts on an object.