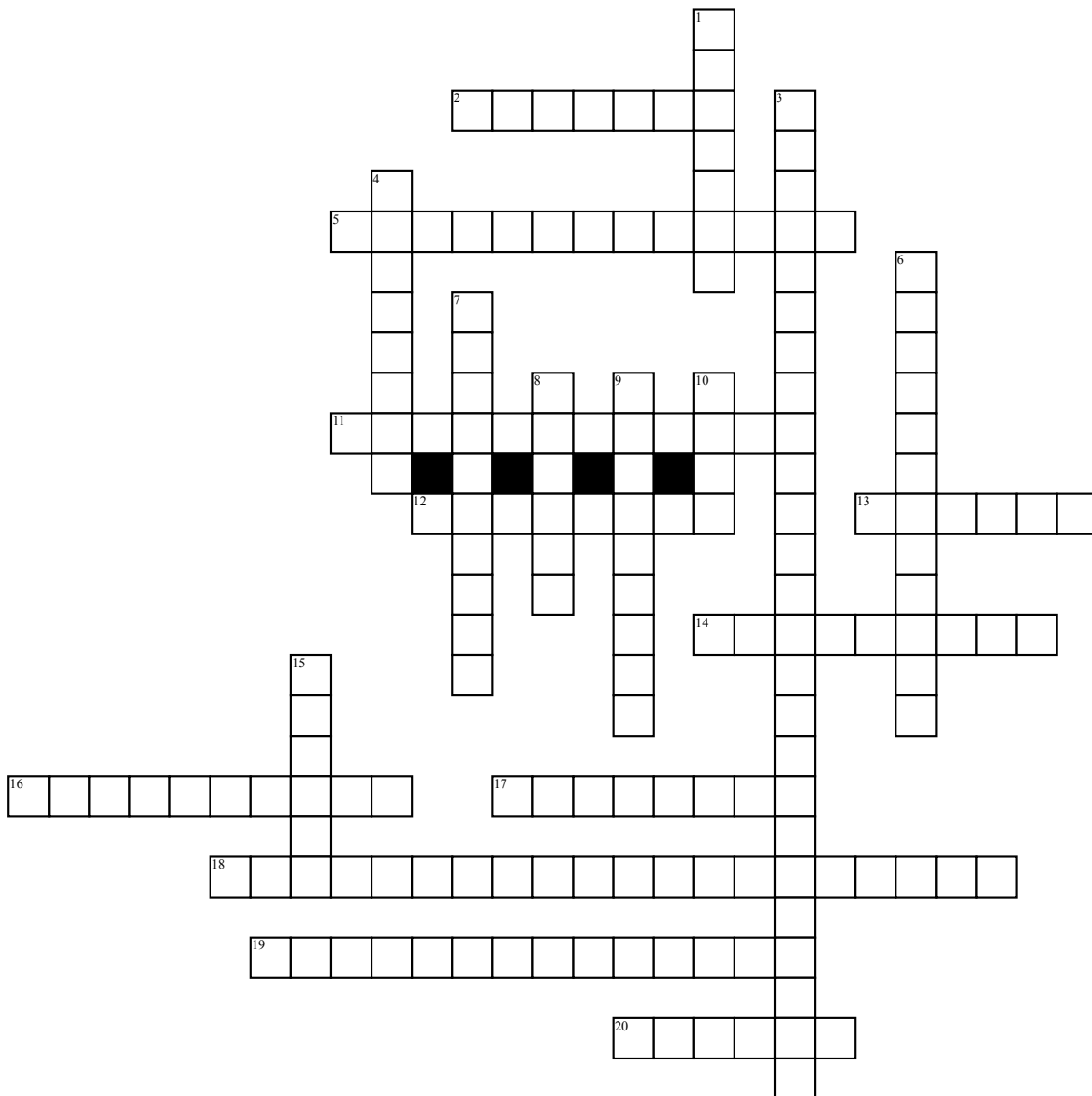


# Physics



**Across**

- 2.  $-9.8\text{ms}^2$
- 5. what is  $v_f$
- 11. the rate at which velocity changes
- 12. what are we looking for when we use Speed x Time ?
- 13. quantities that have magnitude
- 14.  $v_f = v_i + (at)$  what are we looking for
- 16. the study of motion

- 17. what is the movement of an object toward earth solely because of gravity
- 18. the steady change in velocity
- 19. needed to determine the position of an object
- 20. quantities that have magnitude and direction

**Down**

- 1. the branch of science concerned with the nature and properties of matter and energy
- 3. how fast a velocity is changing at a specific instant

- 4. refers to how much ground an object has covered during its motion
- 6. refers to how far an object is from its starting point
- 7. one way acceleration can change
- 8. force 8N south
- 9. another word for strength
- 10. what is  $t$
- 15. an object's change in position relative to a reference point