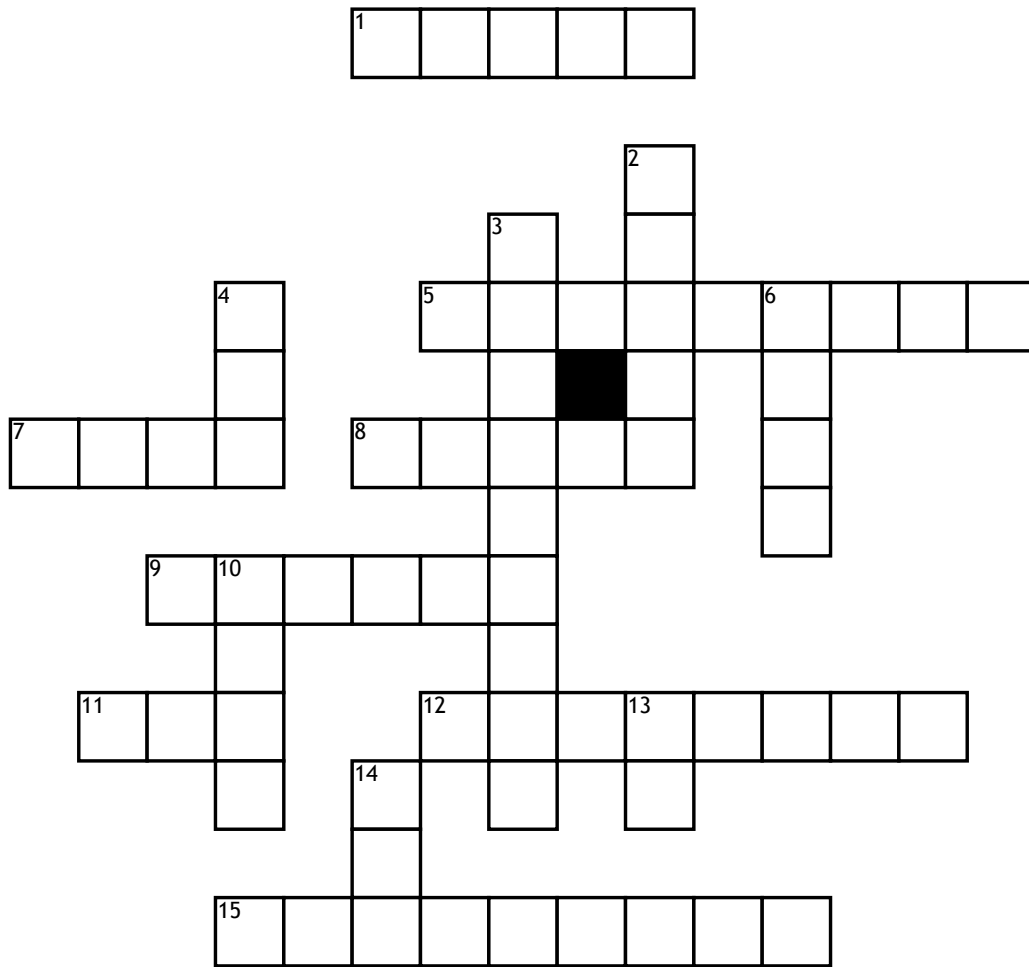


# Forces and Motion



**Across**

- 1. how fast an object is moving
- 5. Velocity / the speed in a given
- 7. Distance / how far something/someone
- 8. Scalar / is a physical quantity that can be described by a single element of a number
- 9. Acceleration / is the rate of change of velocity of an

- 11. Spring / used in pens, mechanical pencils
  - 12. Displacement / the moving of something from its place or
  - 15. Instantaneous Speed / happens
- Down**
- 2. Constant Speed / same
  - 3. Vector / a quantity that has both magnitude and
  - 4. Magnetic / if something attract to a magnet then

- 6. Average Speed / total distance traveled divided by total
- 10. Tension / it's in toy cars that are powered by pulling
- 13. Magnitude / how bright or dark something
- 14. Electrical / if something is power by electricity

**Word Bank**

- |           |          |           |           |        |
|-----------|----------|-----------|-----------|--------|
| back      | speed    | it's...   | time      | is     |
| field     | position | instantly | direction | goes   |
| direction | etc.     | it's...   | Speed     | object |