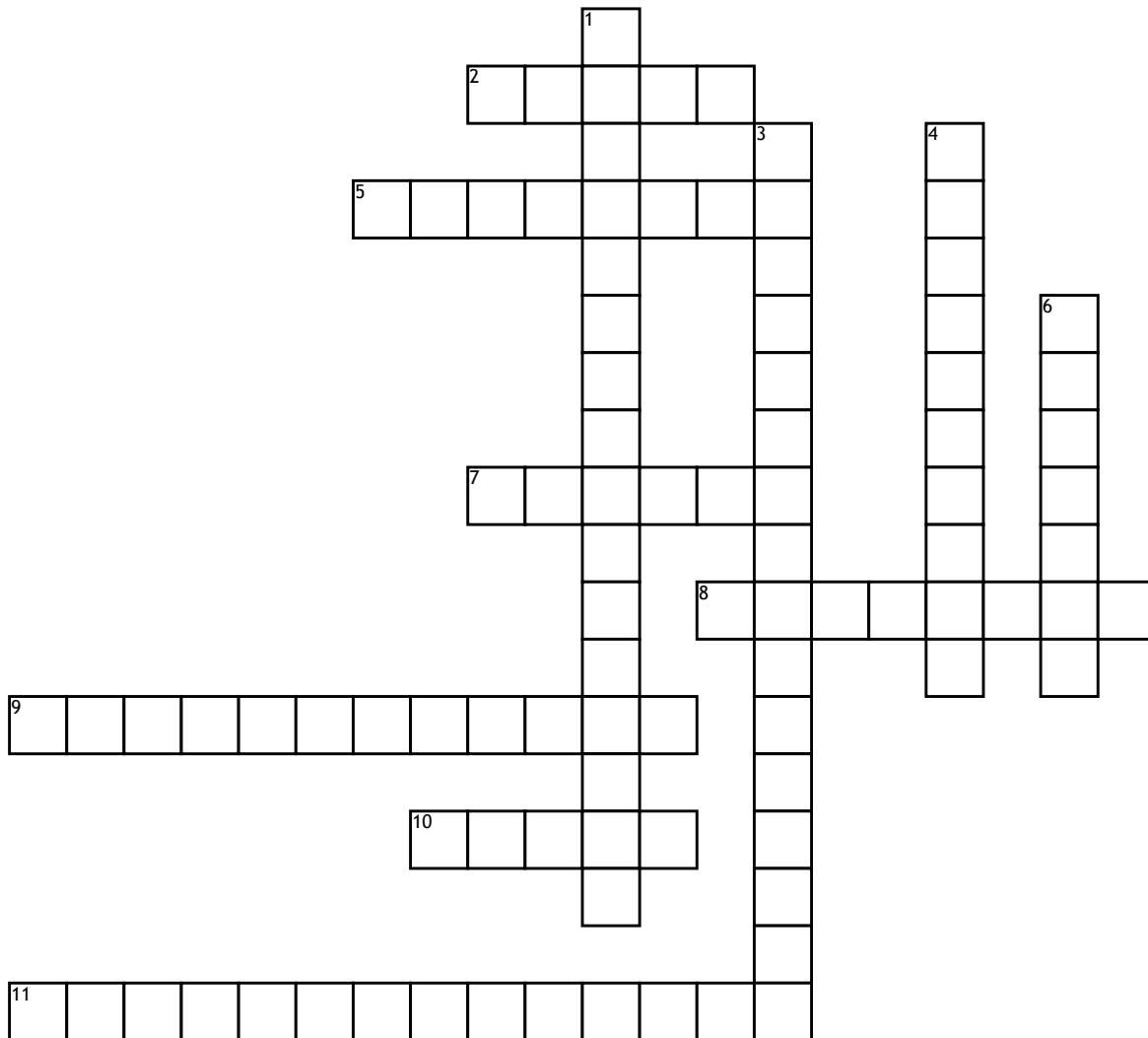


# Force and Motion



## Across

2. rapidity of movement or action
5. the resistance that one surface or object encounters when moving over another
7. the action or process of moving or being moved
8. the speed of something in a given direction
9. increase in the rate or speed of something
10. strength or energy as an attribute of physical action or movement

11. two forces acting in opposite directions on an object, and equal in size

## Down

1. a force that acts on a body moving in a circular path and is directed toward the center around which the body is moving
3. Forces that cause a change in the motion
4. the branch of mechanics concerned with the motion of objects without reference to the forces that cause the motion
6. the force that attracts a body toward the center of the earth, or toward any other physical body having mass