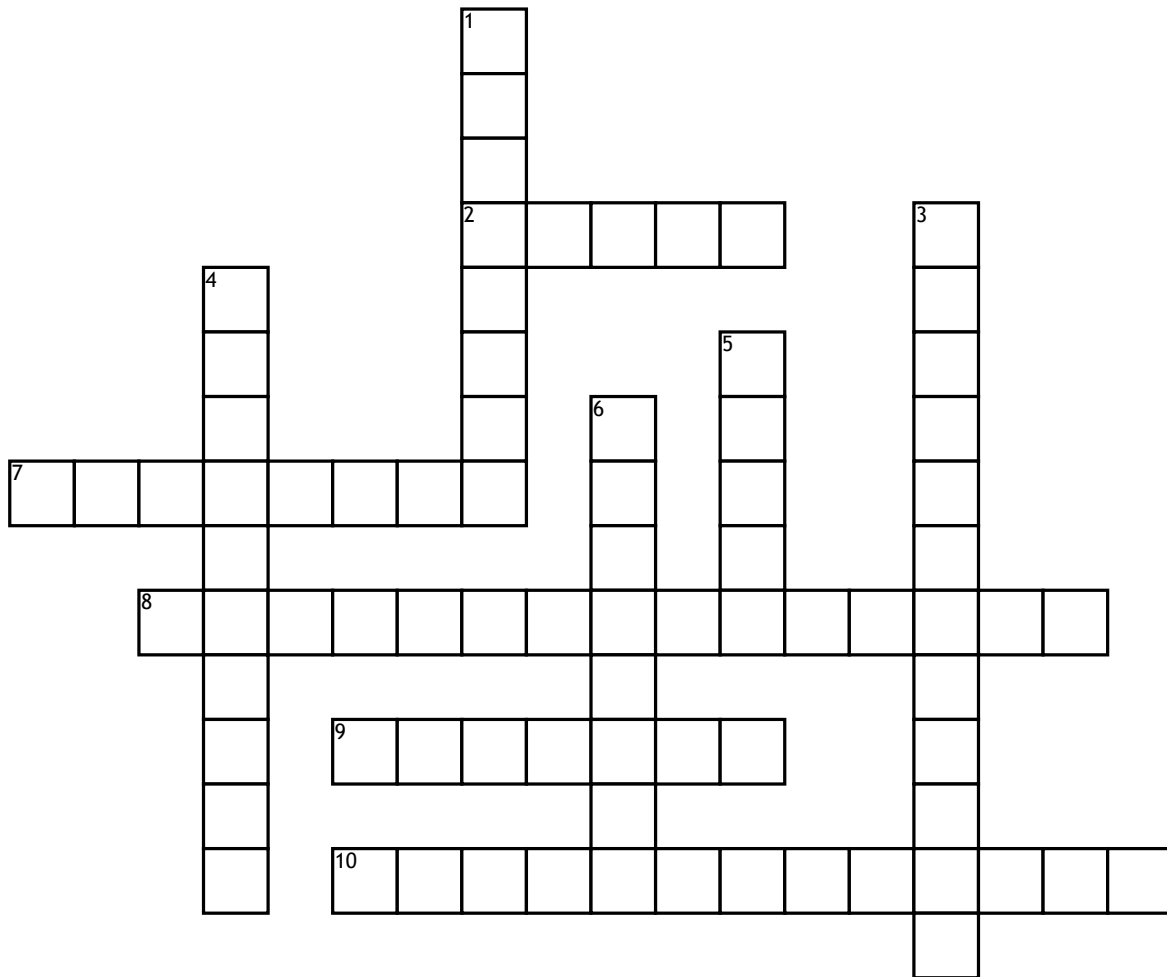


# force and motion



## Across

- 2.** an interaction between two objects which cause a change in the objects motion
- 7.** an amount of space between two things or people
- 8.** forces that cause a change in motion of an object
- 9.** the force that attracts a body toward the center of the earth
- 10.** two forces acting in opposite directions on an object

## Down

- 1.** all the forces acting upon an object
- 3.** increase in amount or extent
- 4.** that an object will remain at rest or in uniform motion in a straight line unless acted upon by an external force
- 5.** the rate at which someone or something is able to move or operate
- 6.** the resistance that one surface or object encounters when moving over another