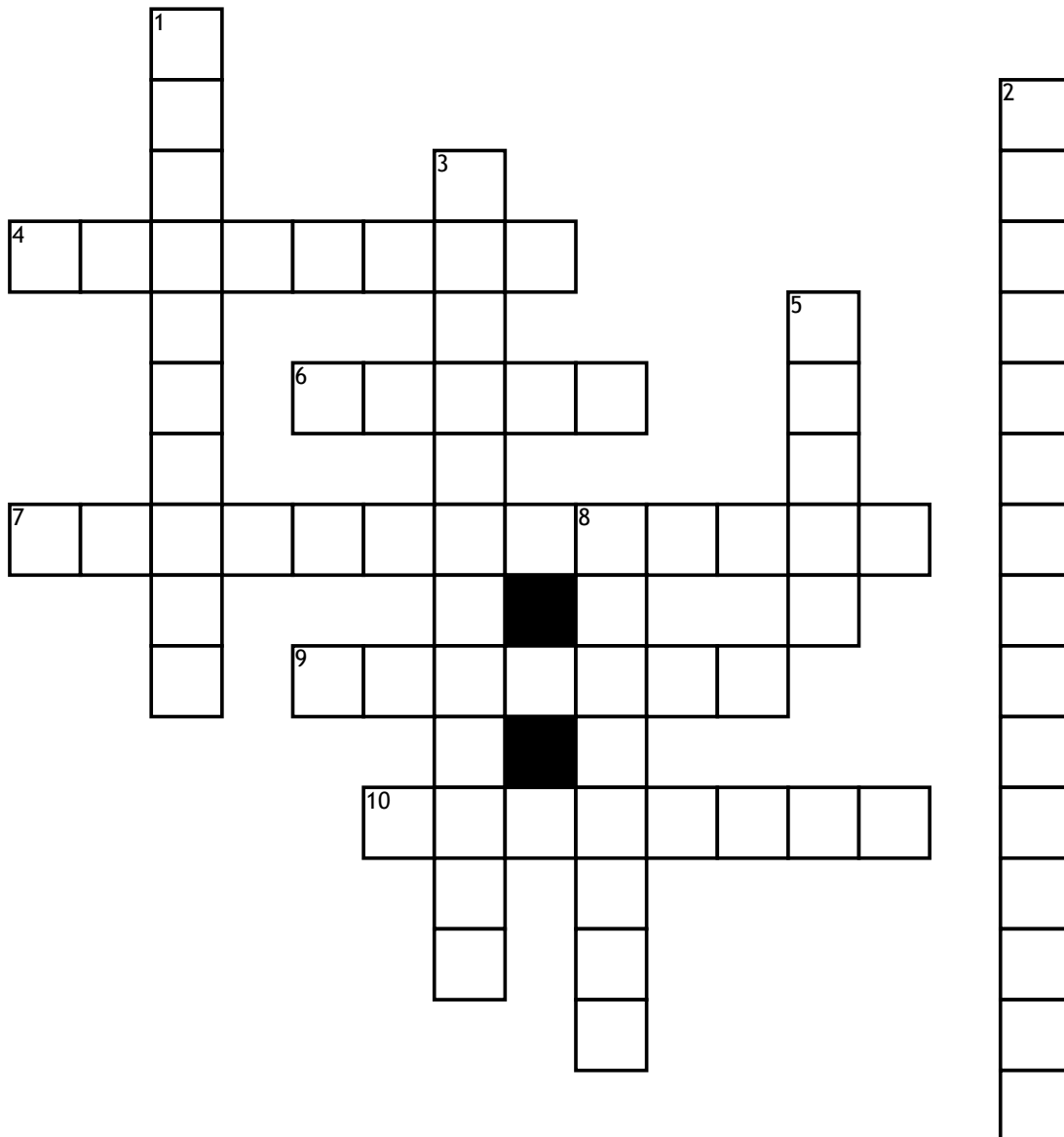


# force and motion



## Across

- 4. all the forces acting upon an object
- 6. the rate at which someone or something is able to move or operate
- 7. two forces acting in opposite directions on an object
- 9. the force that attracts a body toward the center of the earth
- 10. an amount of space between two things or people

## Down

- 1. that an object will remain at rest or in uniform motion in a straight line unless acted upon by an external force
- 2. forces that cause a change in motion of an object
- 3. increase the amount or extent
- 5. an interaction between two objects which cause a change in the objects motion
- 8. the resistance that one surface or object encounters when moving over another