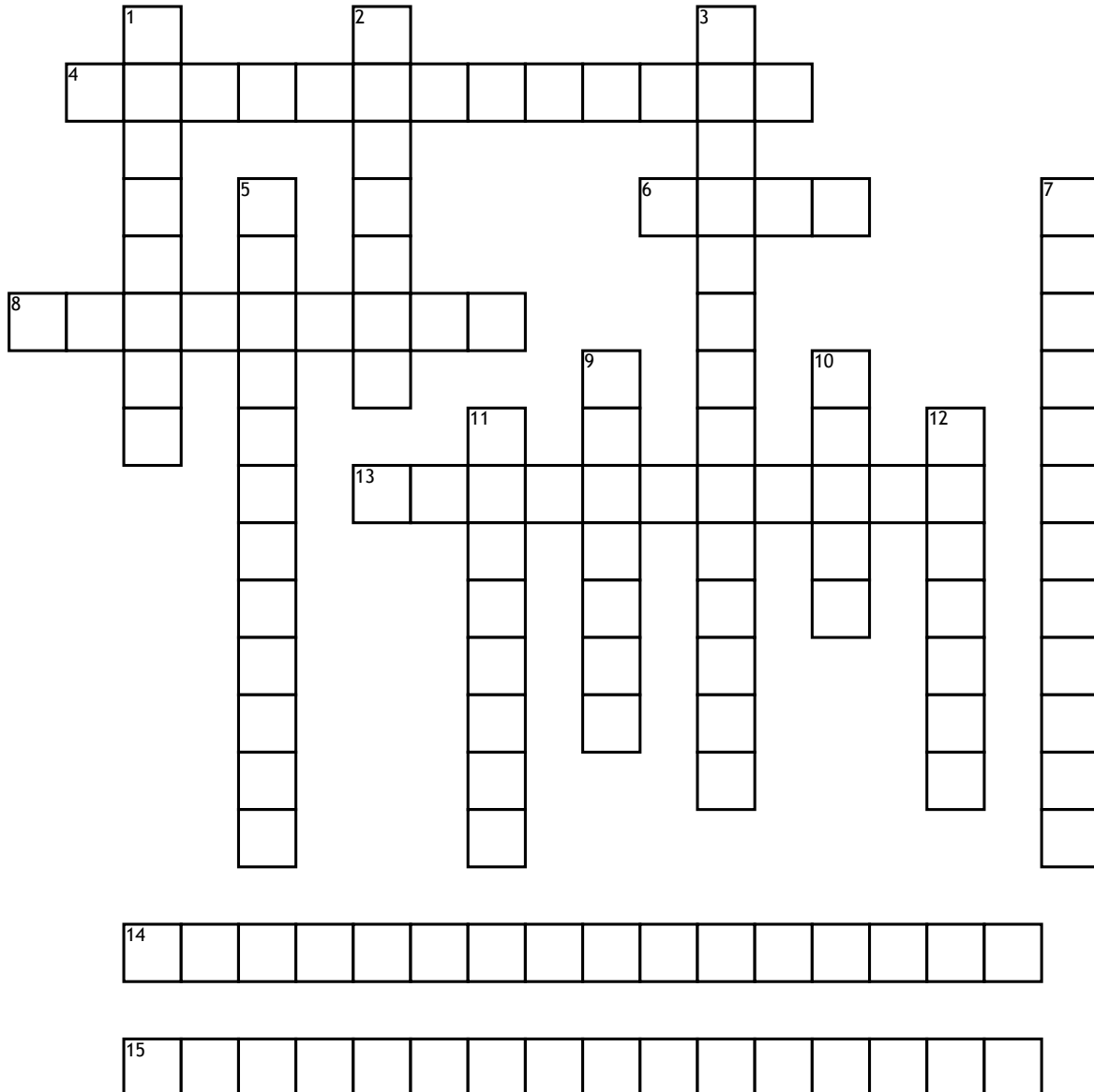


Name: _____

Date: _____

Forces



Across

- 4. An object at rest stays at rest or an object in motion stays in motion unless an outside force is acted on it
- 6. The amount of matter something consists of
- 8. The way a force is applied
- 13. The force applied on an object when it is touching another object
- 14. Opposing forces that are not equal in magnitude

15. Speed in a given direction

Down

- 1. The sum of all forces acting on an object
- 2. A tendency to resist change in motion
- 3. Opposing forces that are equal in magnitude
- 5. Occurs when an object's motion either speeds up, slows down, or changes direction
- 7. A force when something is pulled tight by something on opposite ends

9. An earthly force that pulls downward

- 10. A push or pull from anything with the potential to change the motion of an object
- 11. A force that opposes motion
- 12. A unit of force that would cause an object of 1kg to accelerate at 1m/s/s