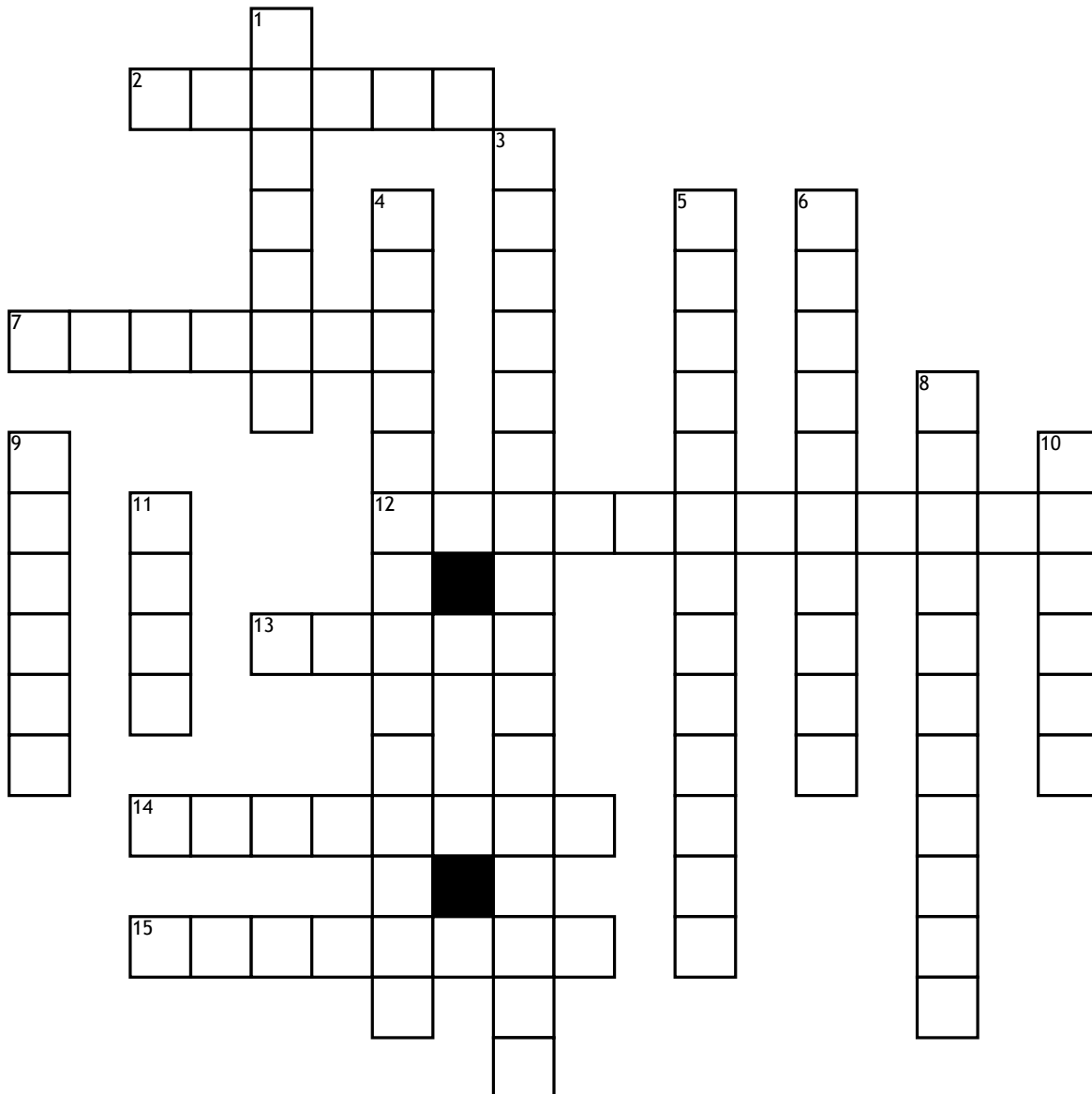


Name: _____

Date: _____

forces



Across

2. the time required for one complete cycle of vibration

7. the tendency to resist changes in their state of motion

12. when two interacting objects are perceived to be physically contacting each other

13. a push or pull upon an object

14. a force that holds back the movement of a sliding object

15. the sum of all forces acting on one object

Down

1. the force that attracts two bodies toward each other

3. two forces acting on an object that are not equal size

4. a force that keeps an object at rest

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

6. bodies interact without directly touching each other

8. forces that surfaces exert to prevent solid objects from passing through each other

9. the si unit of force

10. the force of gravity

11. a measurement of how much matter is in an object