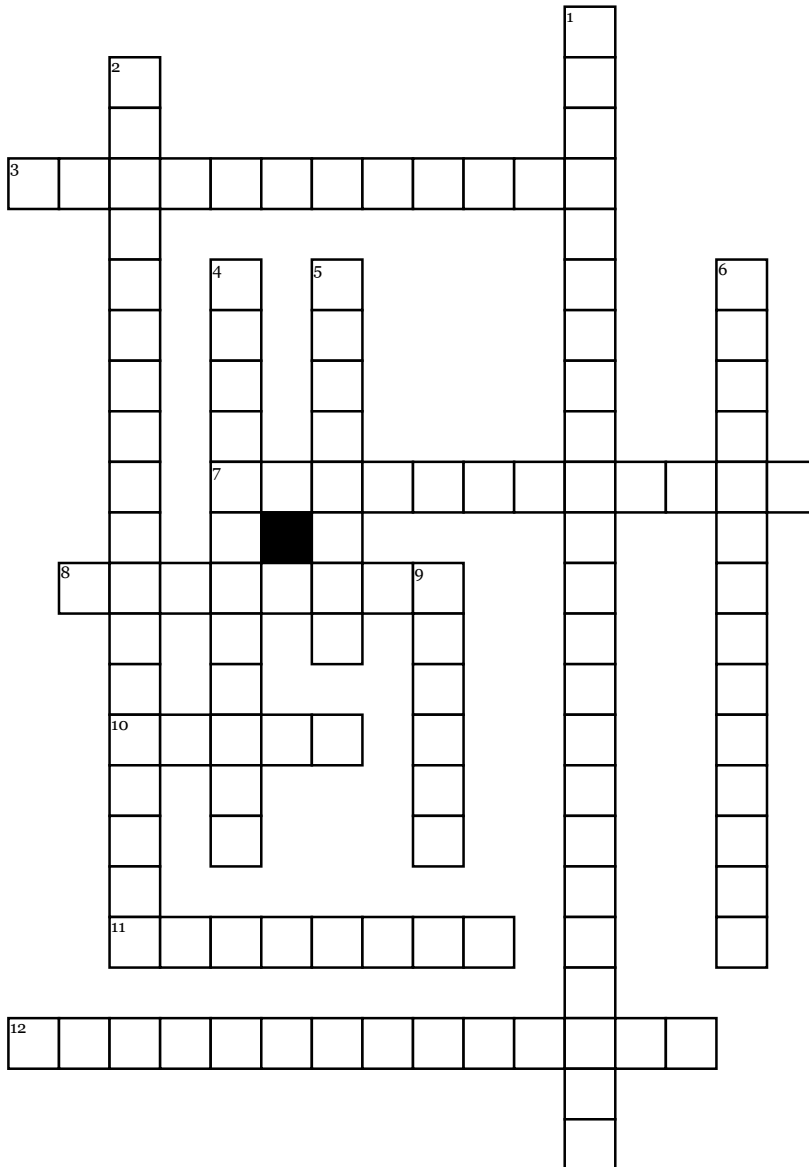


Name: _____

Date: _____

motion



Across

3. distance and direction of an objects change in position from a starting point

7. the rate at which velocity changes

8. mass in motion

10. distance an object has traveled per unit of time

11. length of path between two points

12. a value that has only magnitude

Down

1. acceleration toward the center of a curved or circular path

2. speed at which an object is moving at any given instant

4. speed of motion when speed is changing

5. speed and direction of an objects motion

6. a value that has both magnitude and direction

9. a change in position of an object over time