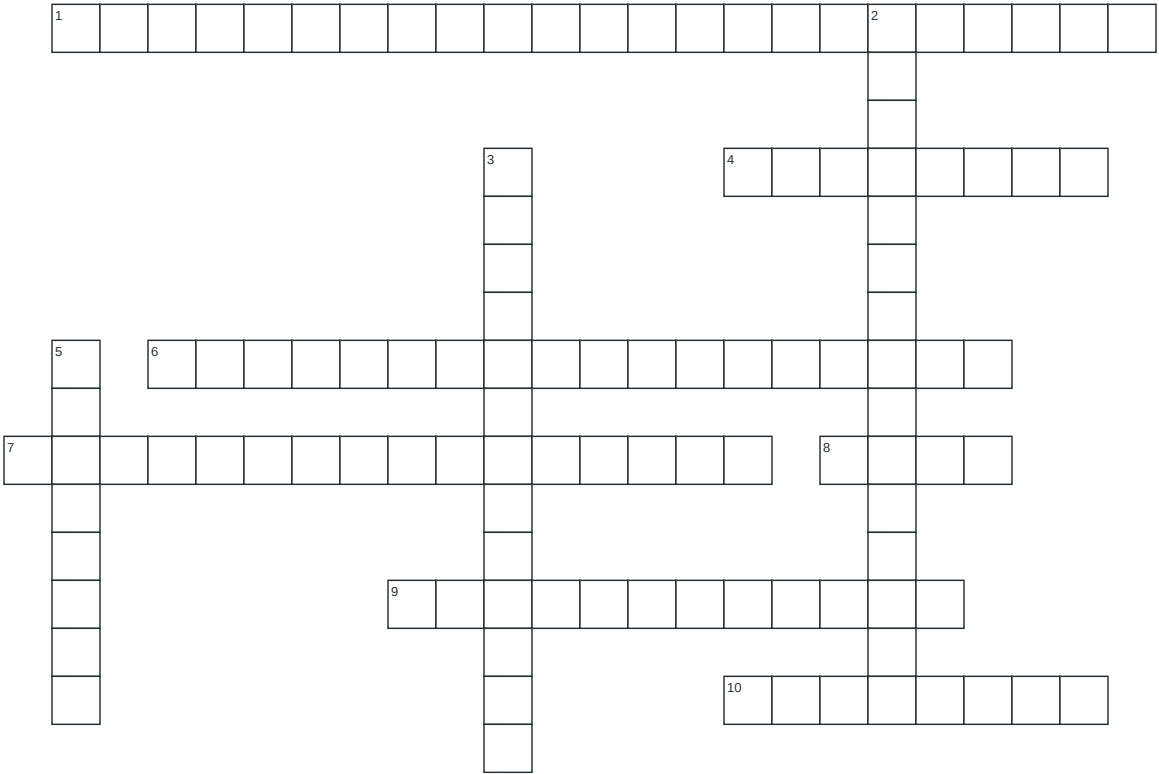


Gravity and Circular Motion Crossword

Easy | 10 clues | Student Worksheet

Name: _____ Date: _____

Directions: Use the clues to complete the grid. Omit spaces, punctuation, and hyphens.



ACROSS

- 1. Becomes one-fourth as large
- 4. Two identical masses move from separation r to separation $3r$. What fraction of the original gravitational force remains
- 6. A description of gravitational force per unit mass at each location
- 7. Inward net force that keeps an object moving along a circular path
- 8. Measure of the amount of matter in an object

ACROSS (continued)

- 9. Process by which gravitational force change if one mass doubles and separation stays fixed
- 10. The total length of a traveled path

DOWN

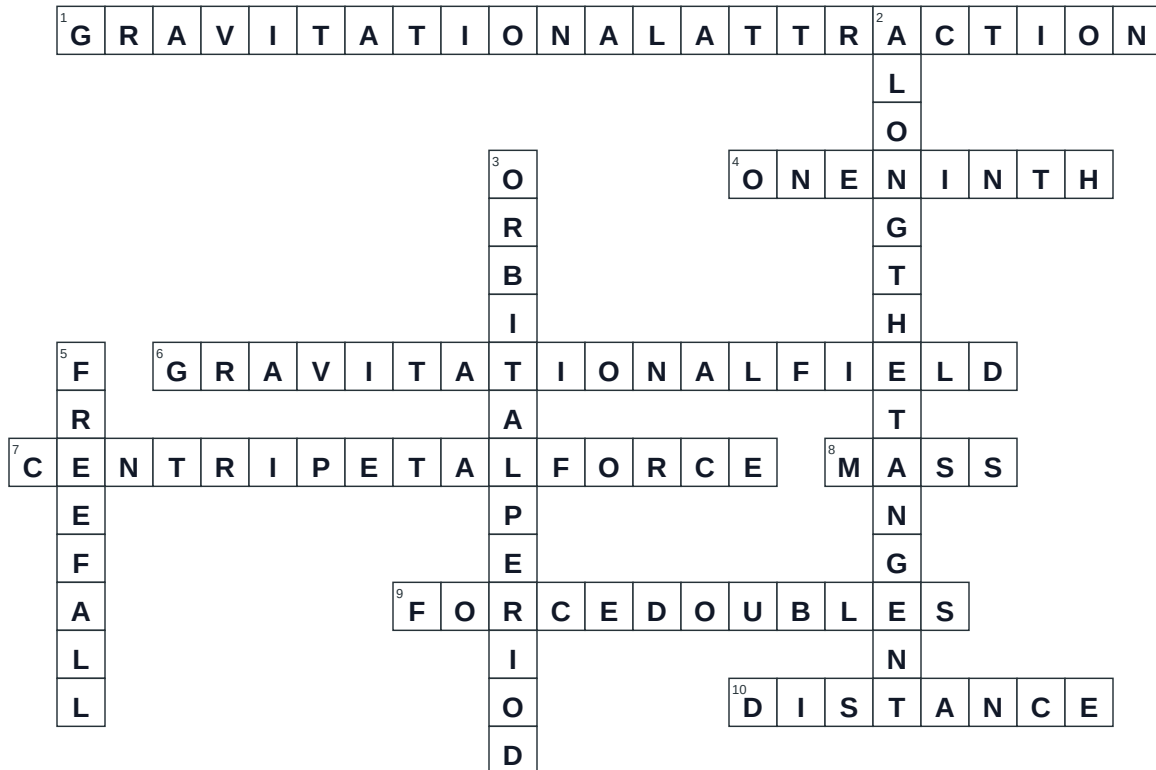
- 2. A ball's supporting string breaks during horizontal circular motion. Neglect other forces for the instant afterward. Which direction does it initially move
- 3. Time required for one complete orbit
- 5. Motion in which gravity is the only force acting

Gravity and Circular Motion Crossword

Easy | 10 clues | Teacher Answer Key

TEACHER ANSWER KEY

Completed grid and numbered answers. Spaces and punctuation are omitted in the grid.



ACROSS

1. Gravitational Attraction
4. One-ninth
6. Gravitational Field
7. Centripetal Force
8. Mass
9. Force Doubles

ACROSS (continued)

10. Distance

DOWN

2. Along The Tangent
3. Orbital Period
5. Free Fall