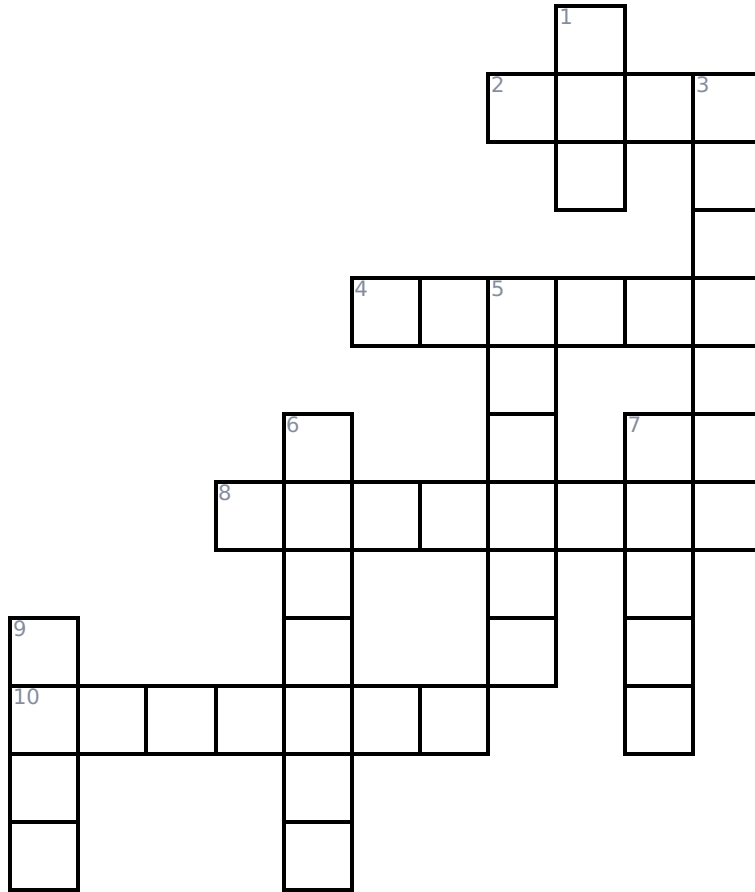


## Early Physics Fun: Hula Hoops: Criss Cross

Answer clues based on the content and vocabulary words from Early Physics Fun: Hula Hoops. Look for hints in the Word Bank. Print the puzzle or use on your tablet, phone, or computer.



## Across

2. The amount of matter in a body is called \_\_\_.
4. \_\_\_ is a twisting force that tends to cause rotation.
8. The force that resists motion between bodies in contact is called \_\_\_.
10. \_\_\_ is the science that involves the study of matter and how it moves through space and time.

## Down

- 1. A \_\_\_ is a basic rule or principle.
- 3. Unless acted upon by an outside force, an object in motion tends to stay in motion at the same \_\_\_ and direction.
- 5. \_\_\_ gymnastics is a sport in which athletes combine gymnastics moves with artistic use of clubs, hoops, balls, ribbons, or ropes.
- 6. \_\_\_ is the attraction of the earth for bodies at or near its surface.
- 7. \_\_\_ is an influence that tends to produce a change in the speed or direction of motion of something.
- 9. Hula hoops \_\_\_ or fall based on the laws of physics.

## Word Bank

FORCE  
MASS  
TORQUE

FRICTION  
SPEED  
SPIN

GRAVITY  
PHYSICS

LAW  
RHYTHM

# Answer Key

