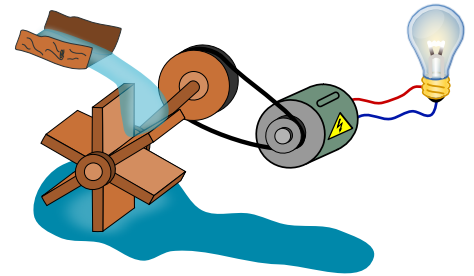
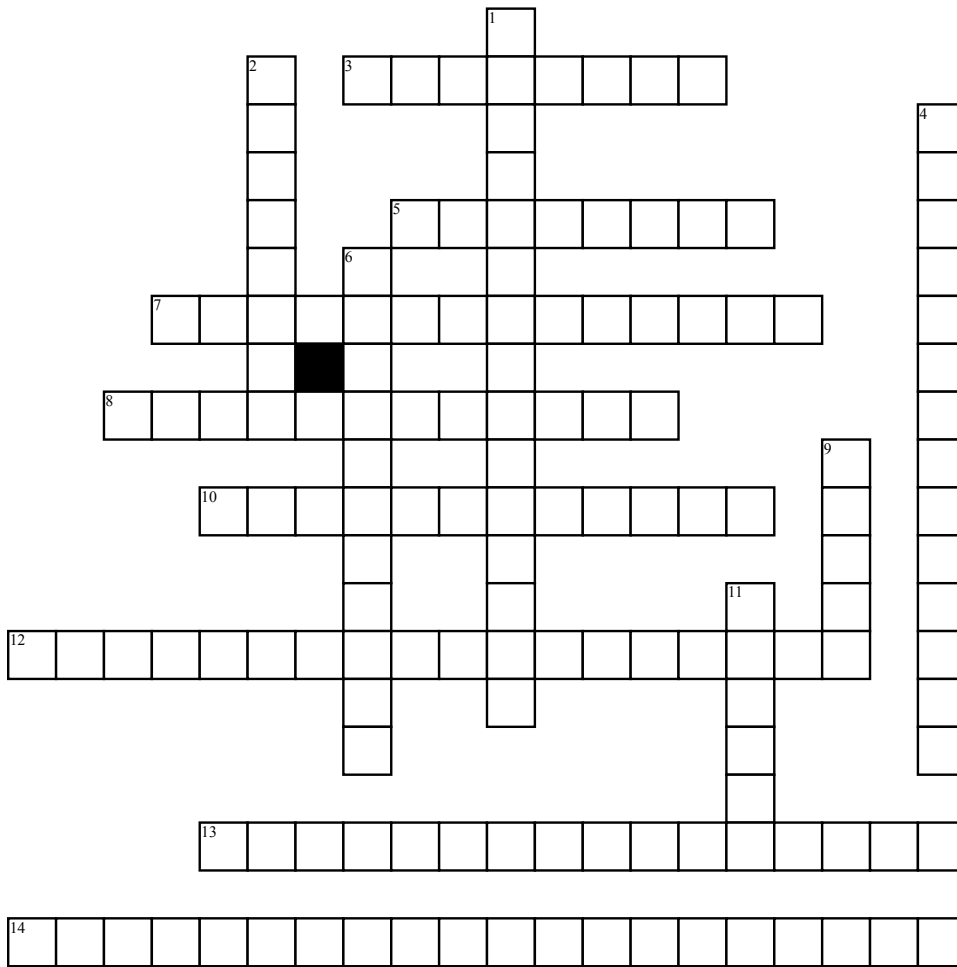


# Chapter 11 Motion



## Across

- 3.** The movement of an object toward Earth because of gravity
- 5.** The speed and direction an object is moving, measured relative to a reference point
- 7.** A graph in which the displayed data form a curved line
- 8.** The rate at which velocity changes

- 10.** The total distance traveled divided by the time it takes to travel that distance
- 12.** The rate at which an object is moving at a given moment in time
- 13.** A system of objects that are not moving with respect to one another
- 14.** A steady change in velocity

## Down

- 1.** The vector sum of two or more vectors

- 2.** The length of a path between two points
- 4.** Movement in relation to a frame of reference
- 6.** A graph in which the displayed data form a straight line
- 9.** The ratio of the distance an object moves to the amount of time the object moves
- 11.** A quantity that has a direction associated with it