Motion Unit Test Study Guide

**Vocabulary**: Write your own definition for each word.

* Position
* Distance
* Displacement
* Speed
* Velocity
* Vector
* Acceleration
* Revolution
* Rotation
* Elliptical
* Lunar eclipse
* Solar eclipse
* Neap tide
* Spring tide

**Study Questions** (review notes and class handouts as well)

1. How are displacement and distance different?
2. How are speed and velocity different?
3. What is the formula for speed? What is the unit of speed?
4. Create and answer 3 example questions in which you use the speed formula to
   1. Find speed.
   2. Find distance.
   3. Find time.
5. Describe how acceleration & velocity is a vector quantity.
6. Analyze distance vs. time graphs and velocity vs. time graphs. What do the slopes in each graph show? Be able to describe the graph using words.
7. What is the formula for acceleration? What is the unit?
8. Create and answer 3 example questions in which you use the acceleration formula.
9. Explain what causes Earth’s seasons.
10. Draw a diagram for a lunar eclipse and a solar eclipse. Label the Sun, Earth and moon.
11. How do the moon and Sun affect Earth’s tides?

Take the Practice Test here: <https://forms.office.com/Pages/ResponsePage.aspx?id=j_Z4Rc2G-UqzF5Pjgmyg9T-tHmWR88dOo_GLPwumKIxUMzgxUDk2RlNCUkxKUlVaVzVENjlZUFhQSS4u>

**Additional Study Resources:**

* Edgenuity SC.912.P.12.2
* Floridastudents.org 🡪 Search “motion” 🡪 Click on any of the three “Notion of Motion” tutorials