REC 3.6: Fundamentals of Linear Motion

1. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_** is the motion of an object as it moves in a straight path, either horizontally or vertically. **\_\_\_\_\_\_\_\_\_\_\_\_** is another name for linear motion.
2. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** is motion where the object spins or revolves about an axis.
3. **What is the difference between distance and displacement?**
4. **What is velocity?**
5. **What is the formula for speed?**
6. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** is how fast an object is traveling at a particular instant of time, possibly a very small time interval.
7. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** is very similar to speed, but since velocity is a vector it must include a direction.
8. **\_\_\_\_\_\_\_\_\_\_\_\_\_** is how fast and in what direction an object is traveling at a particular instant.
9. **What is average velocity? Formula?**
10. **What are the units of velocity?**
11. **What is linear acceleration?**
	1. **Formula?**
	2. **Units?**