Name:			Date:		
UBSP			Quiz 2 Summer 2019		
Motion &	& Electricity		Summer 2017		
1.	Provide units for the following physical measurements:				
	a) Velocity:	m/s			
	b) Acceleration:	m/s ²			
	C) Voltage:	Volts	_		
	D) Current:	Amps	_		
	E) Resistance:	Ohms	_		
2.	Explain what a is a conductor and an insulator and give an example of each a) Conductor: A conductor is a material where electrons can move freely				
	b) Insulator: Material	l where electron's motion i	s restricted		
3.	Constant speed in a c	constant direction is? Const	ant velocity		
4.	Bonus — There is a resistor and a battery and a multimeter in the white basket. Create the circuit below.				
	- +}-	W	That type of circuit is this?		
		_	Series		
	By u sing the multimeter, measure the resistance of the resistor and voltage of the battery				
	Resistance:1	1.8 ΚΩ			
	Voltage:	~6.0 volts			
	Now, by using Ohm'	s law (I=V/R), calculate th	e current of your circuit (show your work)		
	Current:	~0.5 mAmps			

5. The graphs below are **position graphs** of a student doing the motion lab. What can you tell me about her/his velocity? (10 points)

Position Graphs

