Physics 112

Tuesday, September 25/18

http://mvhs.nbed.nb.ca/

http://mvhs-sherrard.weebly.com/

Bus Evacuation - Sept. 25/18 (P2 -> 10:00-10:15 - Bus #5)

1. Conferences: Summative Assessment - Basic Knowledge/Skills
2. Return
   FA -> U1-S1: Vector Analysis
3. FA Learning Categories and Justifications
4. Velocity-Time Graphs - To Be Continued

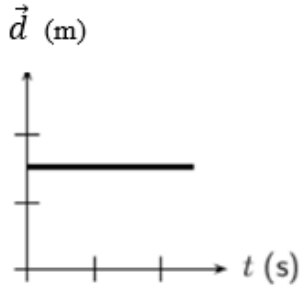
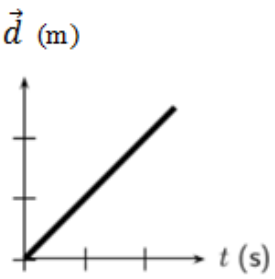
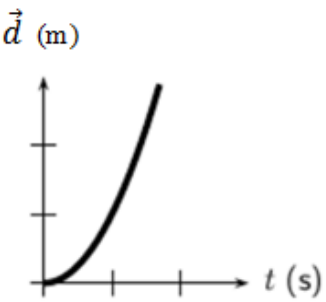
---

5. Velocity-Time Graph: Direction of Motion
6. Velocity-Time Graph Calculations
7. Worksheets: Velocity-Time Graphs (4)

Position-Time Graphs

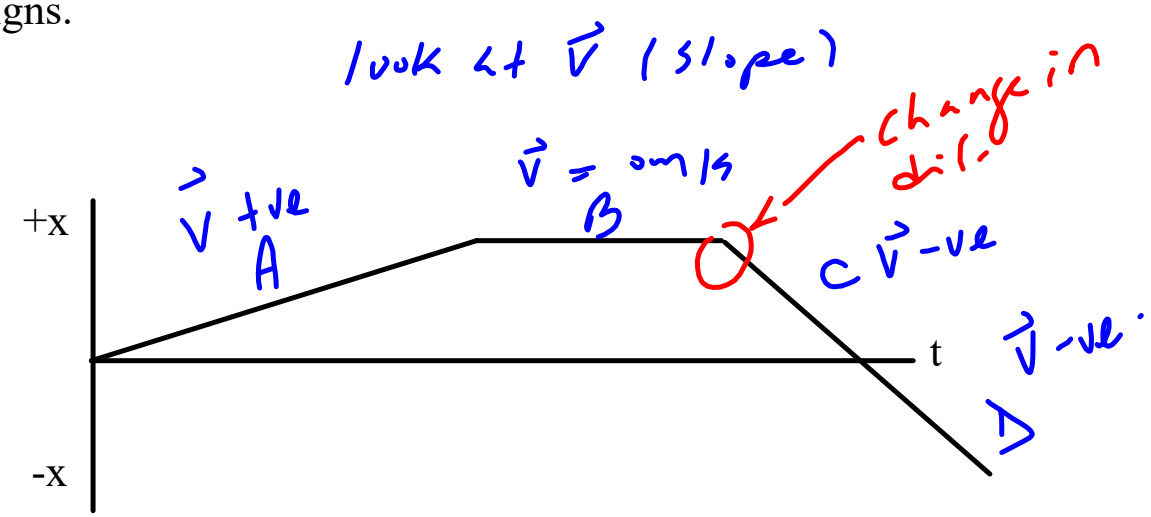
Principle of Slope: "As the slope goes, so goes the velocity."

Whatever characteristics the slope has, the velocity will exhibit the same (and vice versa). If the slope is constant (i.e., a straight line), then the velocity is constant. If the slope is positive (i.e., moving upwards and to the right), then the velocity is positive. If the slope is changing (i.e., a curved line), then the velocity is changing.

Horizontal Line	Straight Line	Curved Line
		
slope: zero slope	slope: constant	slope: changing
motion: no motion	motion: uniform	motion: uniformly accelerated

Position-Time Graph: Direction of Motion

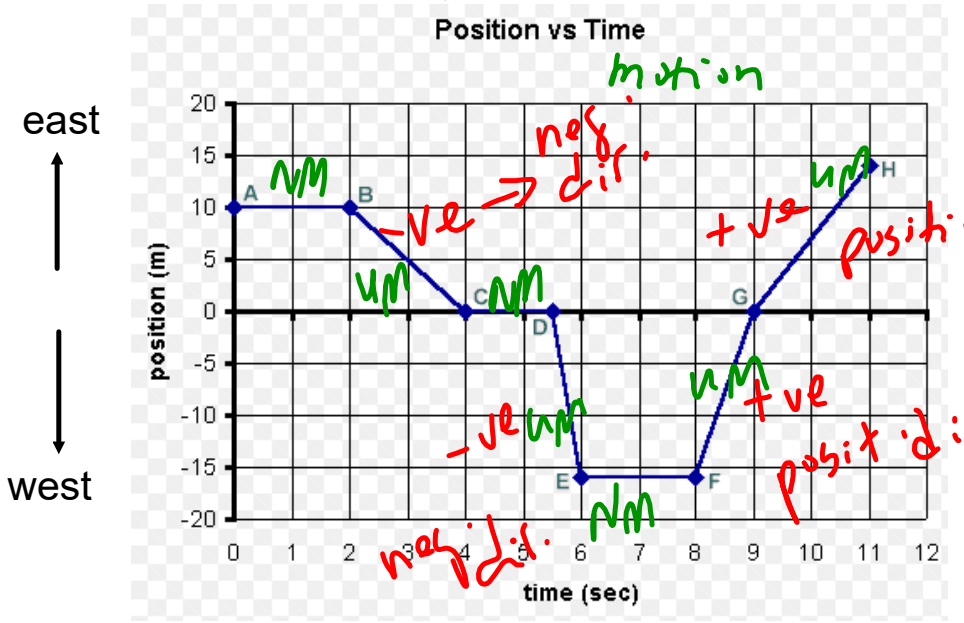
If the velocity of an object changes from positive to negative (or vice versa) it simply means that the objec has changed direction. On a position-time graph, this occurs when the velocity changes signs.



Position-Time Graph: Direction of Motion H

NM - no motion
UM - uniform motion
UAM - uniformly acc'd

× Slope = vel.



Physics 122

Tuesday, September 25/18

http://mvhs.nbed.nb.ca/

http://mvhs-sherrard.weebly.com/

1. Check:
   Worksheet: Force Problems Type III

2. FA - Force Problem - Type III

3. Extra Practice - 2 Worksheets (Type I, II and III Mixed)

4. FA - Force Problems (Mixed)

---

5. Unit 1 - Section 2: Static Torque

Science 10

Tuesday, September 25/18

http://mvhs.nbed.nb.ca/

http://mvhs-sherrard.weebly.com/

1. Assignment - Your Name in Chemical Symbols
   - Due: Today -> Tuesday, September 25/18
2. Submit: FA - Atoms and Ions
3. Check:
   Worksheet #2 - Simple Binary Ionic Compounds
4. Polyatomic Ions
5. Ionic Compounds Containing Polyatomic Ions
6. Worksheet #3 - Ionic Compounds Containing Polyatomic Ions
   -> Complete for Tomorrow

---

7. Transition Elements
8. Multivalent Metals and Their Ions
9. Ionic Compounds ContainingMultivalent Metals
10. Worksheet #4 - Ionic Compounds Containing TransitionMetals