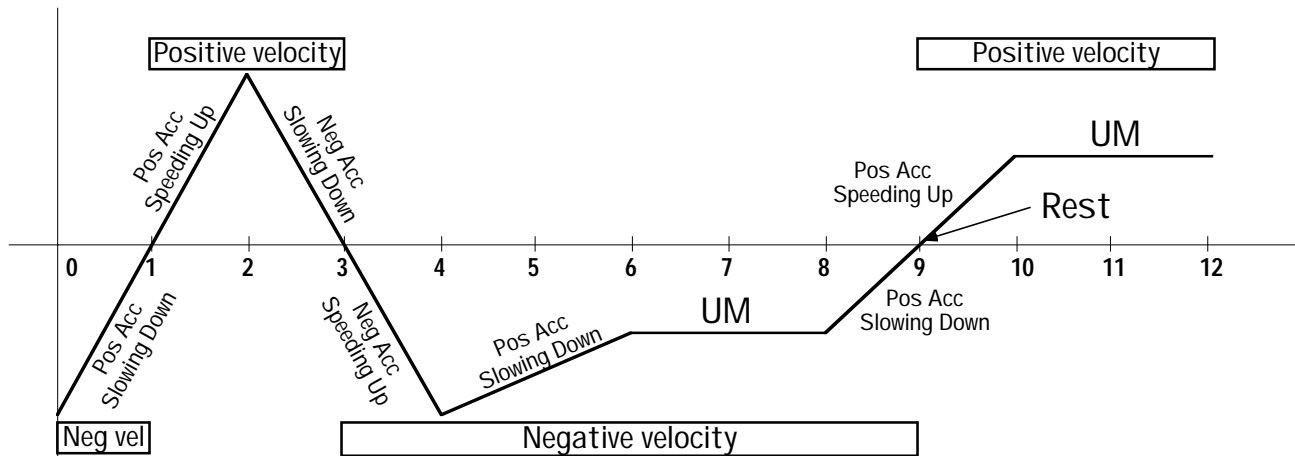
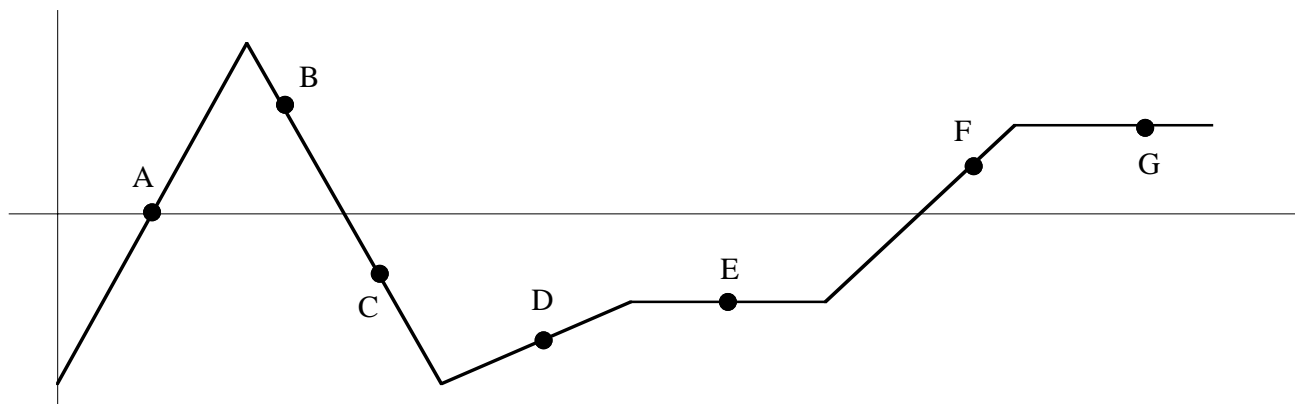


# PhyzJob: What's Goin' On, Too?

even more verbal interpretations of motion graphs

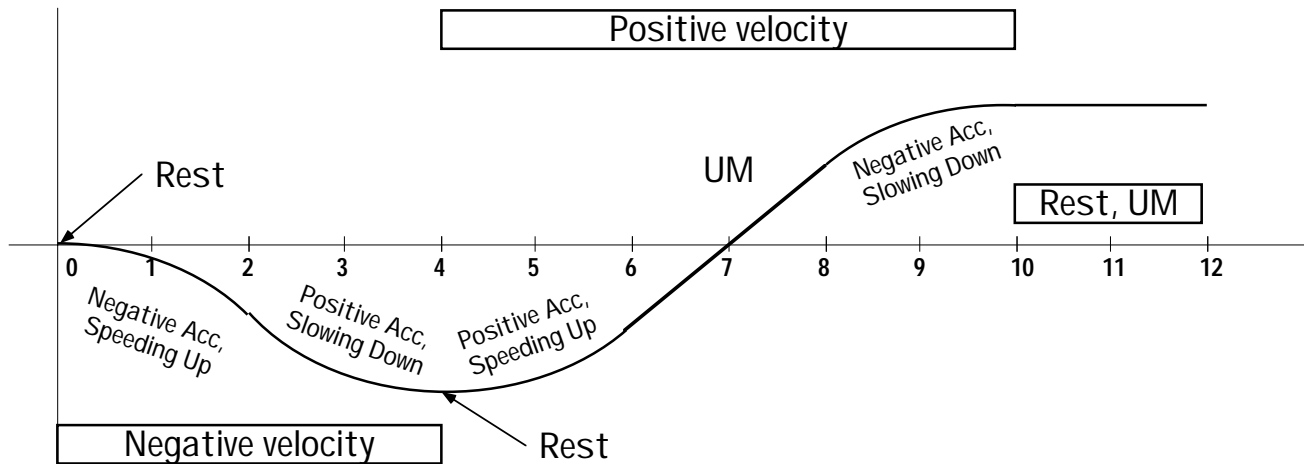


- The plot above shows the **velocity vs. clock reading** of a body. Label the axes accordingly. Then label the following regions of the graph.
  - When is the body traveling in the positive direction? (Label those segments “Positive velocity.”)
  - When is the body traveling in the negative direction? (Label those segments “Negative velocity.”)
  - When is the body at rest? (Label those segments or points “Rest.”)
  - When is the body undergoing positive acceleration? (Label those segments “Positive Acceleration.”)
  - When is the body undergoing negative acceleration? (Label those segments “Negative Acceleration.”)
  - When is the body undergoing zero acceleration? (Label those segments “UM.”)
  - When is the body speeding up? (Label those segments “Speeding Up.”)
  - When is the body slowing down? (Label those segments “Slowing Down.”) Notice that these are **not** identical to the place(s) labeled “Negative Acceleration.”



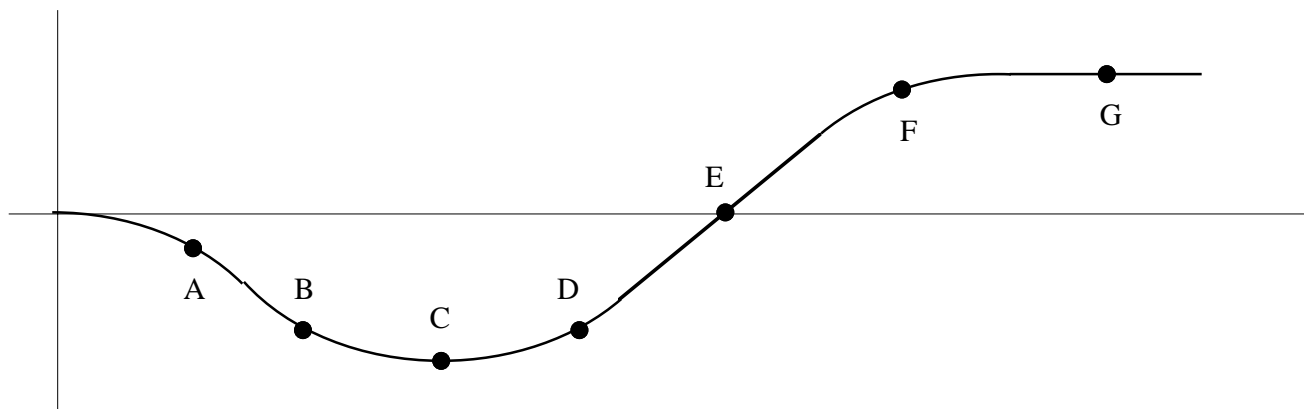
- Which point or points on the graph—if any—show instants at which there was
 

a. Uniform motion in the positive direction? G	f. Negative acceleration with positive velocity? B
b. Uniform motion in the negative direction? E	g. Negative velocity with negative acceleration? C
c. Rest? A	
d. Positive acceleration with positive velocity? F	h. Zero velocity and negative acceleration? $\emptyset$
e. Negative velocity with positive acceleration? D	i. Positive acceleration and zero velocity? A



3. The plot above shows the **position vs. clock reading** of a body. Label the axes accordingly. Then label the following regions of the graph.

- When is the body traveling in the positive direction? (Label those segments “Positive velocity.”)
- When is the body traveling in the negative direction? (Label those segments “Negative velocity.”)
- When is the body at rest? (Label those segments or points “Rest.”)
- When is the body undergoing positive acceleration? (Label those segments “Positive Acceleration.”)
- When is the body undergoing negative acceleration? (Label those segments “Negative Acceleration.”)
- When is the body undergoing zero acceleration? (Label those segments “UM.”)
- When is the body speeding up? (Label those segments “Speeding Up.”) Notice that these are **not** identical to the place(s) labeled “Positive Acceleration.”
- When is the body slowing down? (Label those segments “Slowing Down.”)



4. Which point or points on the graph—if any—show instants at which there was

- |  |   |
|--|---|
| a. Uniform motion in the positive direction? E           | f. Negative acceleration with positive velocity? F      |
| b. Uniform motion in the negative direction? $\emptyset$ | g. Negative velocity with negative acceleration? A      |
| c. Rest? C, G  |   |
| d. Positive acceleration with positive velocity? D       | h. Zero velocity and negative acceleration? $\emptyset$ |
| e. Negative velocity with positive acceleration? B       | i. Positive acceleration and zero velocity? C           |