

### Graph That Motion Activity

**Directions:**

1. Open an internet browser and find your way to the following URL in the Shockwave Physics Studios section of The Physics Classroom web site.  
 http://www.physicsclassroom.com/shwave/graphthat.html
2. From the opening screen, click on the Continue button to log on and begin the activity.
3. Enter your first and last name. If working with a partner (recommended), enter their first and last name. Then click the Start button.

**Enter your first and last name.**

**First Name:**       **Last Name:**

**If working with a partner on this activity, then enter your partner's first and last name.**

**Partner's First Name:**       **Partner's Last Name:**

4. Use the on-screen buttons (A-K, Replay, Erase, Check Answers) and field to complete the activity.

## Graph That Motion

Name: John Doe

ID: --

Partner: Jane Doe

**DIRECTIONS:** Match each of the 11 motions to the appropriate graph as found on your lab worksheet. Type the number of the graph into the box at the right. When all 11 motions are matched, click the Check Answers button.



**Motion A**  
**Replay**



**Check Answers**

**#Attempts: 0**

**#Correct: - /11**

Use the buttons below to view a different motion and match it to a graph.

A	B	C	D	E	F	G	H	I	J	K
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**Match →**

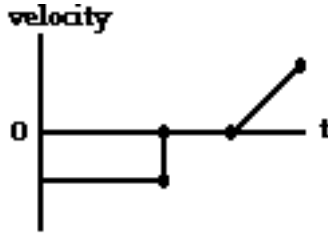
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
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The 11 graphs below must be matched to the 11 animations. Once all 11 matches have been made, you will be able to check your answers. You will be given feedback and can make alterations until all your answers are perfect. Inform your teacher when you have completed the activity or decide to quit.

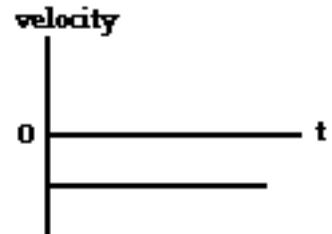
Graph 1



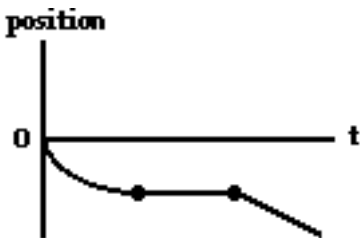
Graph 2



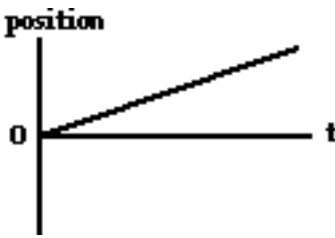
Graph 3



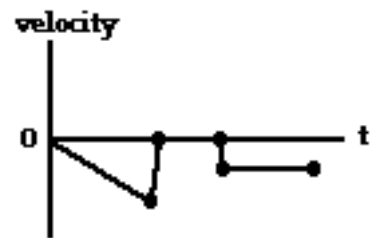
Graph 4



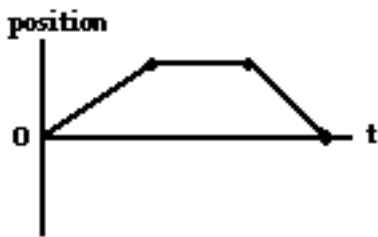
Graph 5



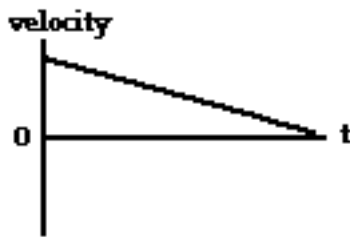
Graph 6



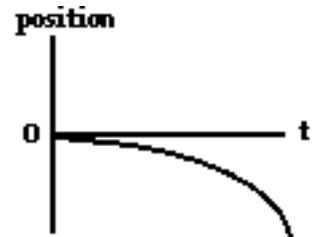
Graph 7



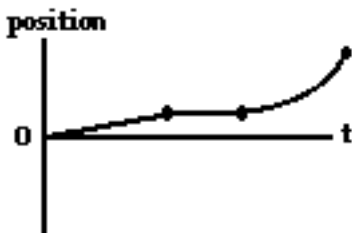
Graph 8



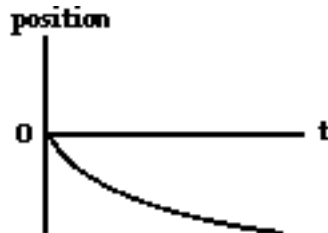
Graph 9



Graph 10



Graph 11



Use the table to assist in organizing answers and making corrections. The first two rows are examples.

A	B	C	D	E	F	G	H	I	J	K
3	1	5	10	4	2	<del>6</del>	8	11	<del>9</del>	7
						9			6	