**Name that Motion Names:**

**Match the graphs on the back to the description.**

|  |  |
| --- | --- |
| Graph # | Description: |
|  | The object moves with a constant negative velocity. |
|  | The object moves with a positive velocity and a positive acceleration. |
|  | The object moves with constant speed in the positive direction. |
|  | The object moves with a low speed for a short time interval. Then the object remains at rest for several seconds. Finally, the object rapidly accelerates with a positive acceleration. |
|  | The object moves with a negative velocity. Then, the object remains at rest for several seconds. Finally, the object moves with a low constant speed. |
|  | The object moves with a constant negative velocity. Then, the object remains at rest for several seconds. Finally, the object moves with positive acceleration. |
|  | The object moves in the positive direction with a negative acceleration. |
|  | The object slowly accelerates from rest. Then, the object remains at rest for several seconds. Finally, the object moves with a constant negative velocity. |
|  | The object moves at constant speed. Then, the object remains at rest for several seconds. Finally the object moves with a constant negative acceleration. |
|  | The object moves in the negative direction with a negative acceleration. |

*Use the boxes to assist organizing your answers and making corrections*.

