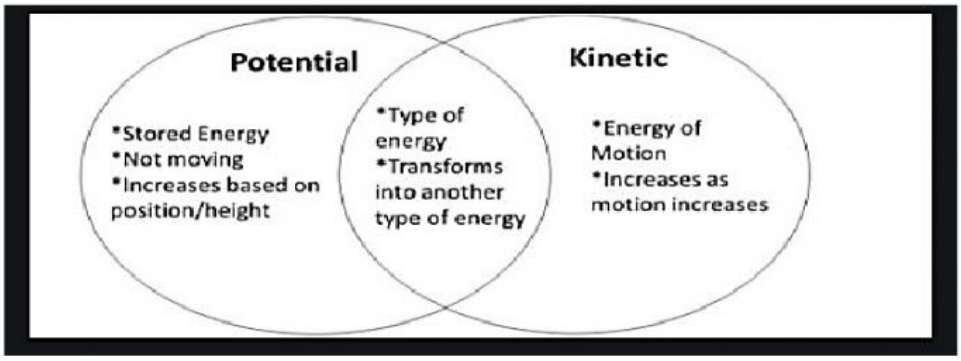
Force and Motion Test Review

Last Name: _____ First Name: _____ Period: _____ Dater: _____



Potential Energy and kinetic Energy

1. **Write 3 facts about Potential Energy**

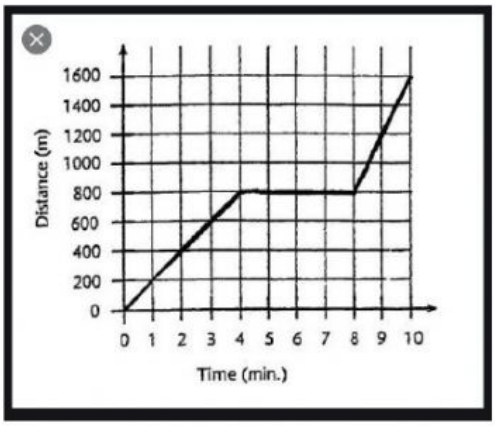
- _____
- _____
- _____

2. **Write 2 facts about Kinetic Energy**

- _____
- _____

3. **You droved a distance of 20 miles in 4 hours in your car. What was the average speed of your car?**

Speed= distance/time	S= ------- = ---------- =



Use the graph

4. **Find the distance traveled in the time 4 minutes**

_____

5. **Find the distance traveled in the time 8 minutes**

_____

6. **Why the distance at 4 minutes is the same as 8 minutes?**

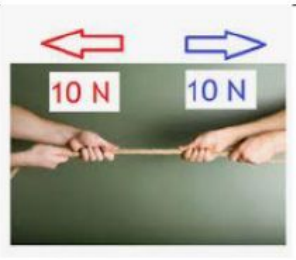
_____

7. **What is the time at 1600 meters?**

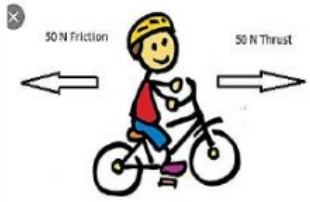
_____

Write balanced or unbalanced

8. _____



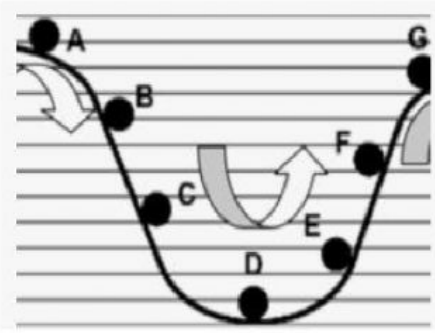
9. _____



10._____

Write balanced or unbalanced

11. A book resting on a table	
12. Kicking a football	
13. A car slowing down	
14. A person standing still	
15. An aero plane taking off	



Use the left diagram

16. At which point there is the highest Potential Energy (PE)

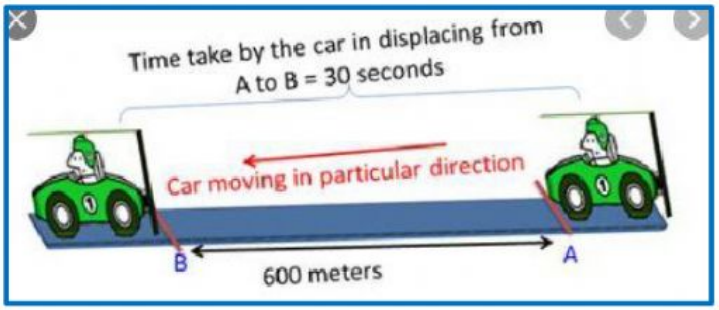
(hint: the higher an object is at. the more PE)

Letter_____

17. At which point there is the highest Kinetic energy

(hint: the faster and object travels the more KE)

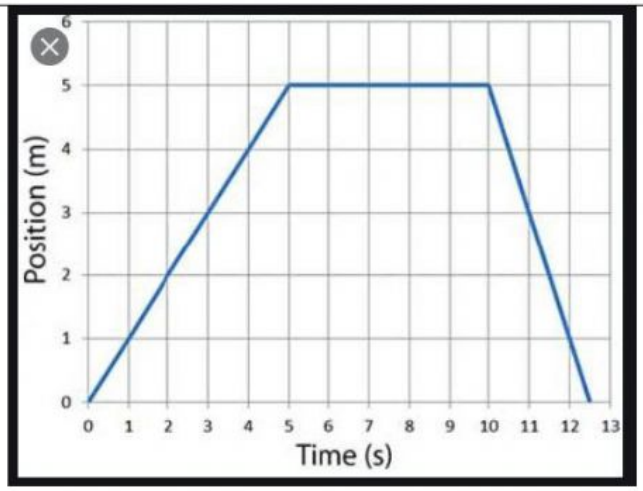
Letter _____



18. Calculate the speed

Speed= distance/time

s= ------- = ---------- =



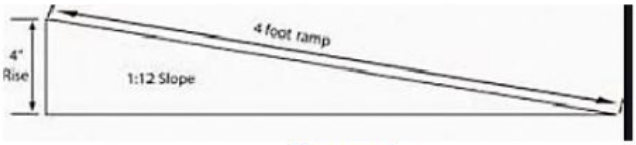
19. Between which minutes (time) the object was not moving (resting/flat)

Between _____seconds and _____ seconds

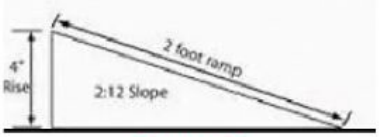
20. Ramps or inclined planes make the job easier.

To move from one point to another point

Which inclined plane would the worker use to move the boxes inside the truck?



Ramp A



Ramp B

Answer: Ramp_____

21. Last question: Are you passing and doing all your work? _____