

NAME:

DATE:

Period:

CBA 1 Review
PAP Physics

1. What does the slope of a velocity time graph show?

acceleration

2. What would a velocity time graph with a horizontal line at 2m/s mean? (2 things)

constant velocity

0 m/s² accel

3. What do you do with a broken piece of glassware in the lab?

Tell the teacher.

4. What does the slope of a displacement-time graph show?

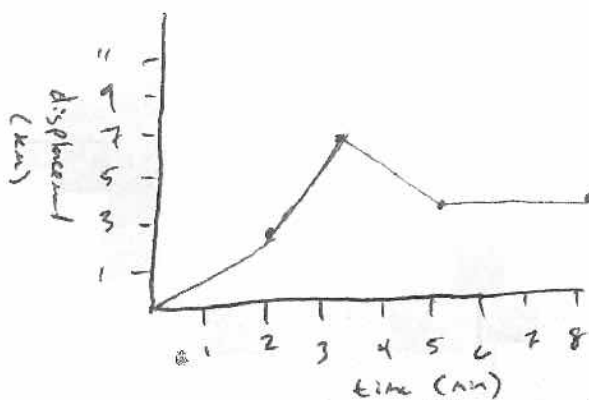
velocity

5. If a displacement-time graph had a horizontal line at 3m, what would that mean?

not moving

0 m/s velocity

6. If a displacement-time graph looks like this (fig a), where is the object at 6min?



4 km away

7. What does a curved line on a displacement-time graph show/mean?

acceleration

8. A bicyclist rides 4km down Main Street. Then turns around and rides 5.5km on Main Street. What is the cyclist's displacement?

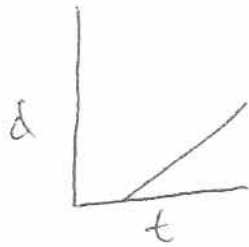
-1.5 km

NAME:

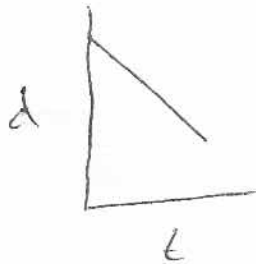
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9. Draw a d-t graph with positive velocity.



10. Draw a d-t graph with negative velocity but positive displacement.



11. List the units of displacement, velocity, and acceleration.

m, m/s, m/s²

12. You dropped a washer from the ceiling in the pervious lab. What was the velocity of the top washer after $t = 0.05\text{s}$?

~~$d = \frac{1}{2}at^2$~~ $V = at$ $V = 9.8\text{m/s}^2 \cdot 0.05\text{s}$
 $V = 0.49\text{m/s}$

13. What type of graph would you use to demonstrate categorical data?

Histogram

14. What is a vector quantity? (ch 3)

a quantity w/ magnitude & Direction
Velocity, Displacement

15. What is a scalar quantity?

a quantity with only Magnitude
Mass, speed, distance, Volume