Physics Quiz

$$\vec{v}= \frac{Δs}{Δt}= \frac{s\_{2} - s\_{1}}{t\_{2} - t\_{1}}$$





$\vec{a}=         $= $\frac{v\_{2} - v\_{1}}{t\_{2} - t\_{1}}$

$$\frac{Δv}{Δt}$$



1. What is a graph?

2. Explain 2 things a graph does.

3. What is the simplest graph?

4. What is the difference between distance and displacement?

5. Describe a dot diagram.

0

Velocity

6. On the velocity-time graph on the right, Plot a

 negative velocity with acceleration.

Using the information given, complete the other graphs.

5 m/s

30 m

Acceleration

Time

Time

Time

Distance

Velocity

0

0

0

10 m

20 m

5 s

10 s

15 s

20 s

25 s

5 s

10 s

15 s

20 s

25 s

5 s

10 s

15 s

20 s

25 s

-5 m/s

5 m/s2

-5 m/s2

Using the information given, complete the other graphs.

5 m/s

30 m

Acceleration

Time

Time

Time

Distance

Velocity

0

0

0

10 m

20 m

5 s

10 s

15 s

20 s

25 s

5 s

10 s

15 s

20 s

25 s

5 s

10 s

15 s

20 s

25 s

-5 m/s

5 m/s2

-5 m/s2