

Momentum 2—p.2

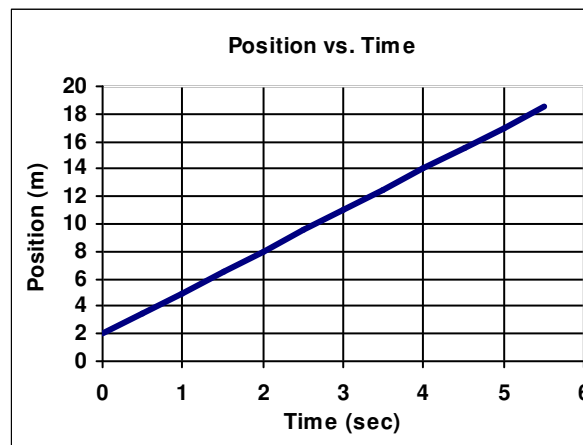
A 5 kg object slows from 20 m/s to 15 m/s in 6 seconds.

A) Calculate the change of momentum.

B) What impulse caused this?

C) Find the force that caused this.

12) The graph at the right shows the motion of a 35 kg object.
Calculate its momentum.



13) Physical or chemical change?

A) Burning paper.

Why?

B) A sugar cube disappearing in water.

Why?

C) If two liquids are put together and create heat?

D) Baking soda (a solid) and vinegar (a liquid) mix to create a gas.

E) Cutting up something

Preparing for the final exam, whether with your book (or the Internet or something...) answer the following:

(And you had better do this part yourself...)

14) A) How is a black hole created?

B) Why is it called a black hole?

15) What is terminal velocity?

16) Which will have a greater terminal velocity a feather or a hammer?

17) What is escape velocity?

18) What is the escape velocity of the earth?