

Wk 3 1st Law

1 Golf Ball Experiment

1. When you pushed the block, there were two parts to its motion: a speed up and a slow down.

What caused the speed up?

What caused the slow down?

2. When you pushed the air puck, there were two parts to its motion: a speed up and a constant speed.

What caused its speed up?

Why did it do a constant speed afterward?

3. a) When forces act, what do things do?

b) When NO forces act, what do things do?

4. When you released the golf ball while you were walking what happened?

It fell straight down.

It kept moving forward.

5. What do you think will happen in the bowling ball thought experiment?

It will fall straight down.

It will keep moving forward.

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