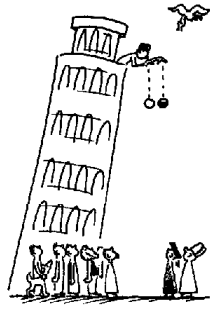


Bonus Bucks



Galileo's famous demonstration

Bonus Bucks

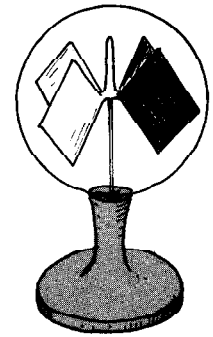


CHANGE IN SPEED
BUT NOT DIRECTION

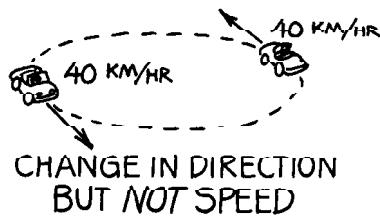
Bonus Bucks



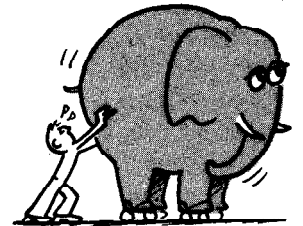
Bonus Bucks



Bonus Bucks



Bonus Bucks



The greater the mass, the greater the force must be for a given acceleration.

Bonus Bucks



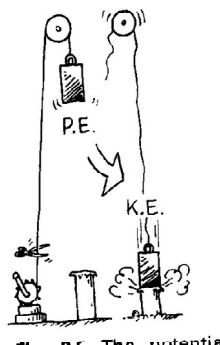
He may expend energy when he pushes on the wall, but if it doesn't move, no work is performed on the wall

Bonus Bucks

FORCE OF HAND
ACCELERATES
THE BRICK



Bonus Bucks



Bonus Bucks

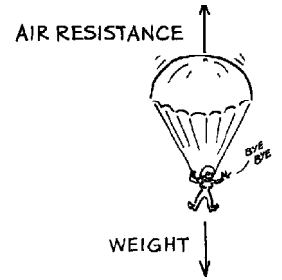


Why does a suspended spring stretch more at the top than at the bottom?

Bonus Bucks



Bonus Bucks

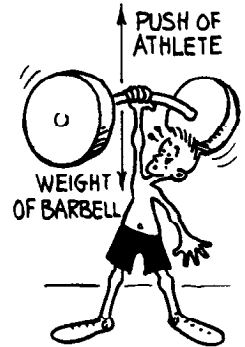


Bonus Bucks



Strictly speaking, they do not suck the soda up the straw. They instead reduce pressure in the straw and allow the weight of the atmosphere to press the liquid up into the straws.

Bonus Bucks

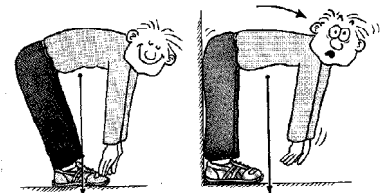


Bonus Bucks



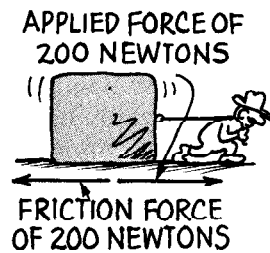
The filling of hot apple pie may be too hot to eat, whereas the crust is not.

Bonus Bucks

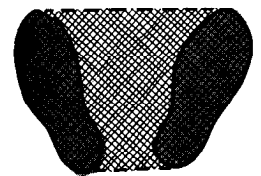


You can lean over and touch your toes without falling over only if your center of gravity is above the area bounded by your feet.

Bonus Bucks

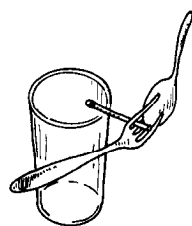


Bonus Bucks



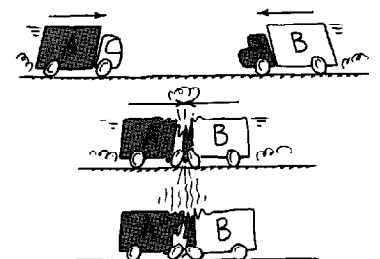
When you stand, your center of gravity is somewhere above the area bounded by your feet.

Bonus Bucks

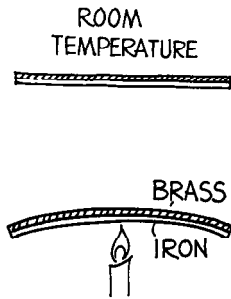


Fasten a fork, spoon, and wooden match together as shown. The combination will balance nicely—on the edge of a glass.

Bonus Bucks



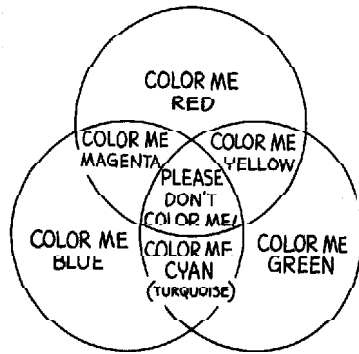
Bonus Bucks



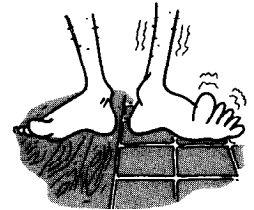
Bonus Bucks



Bonus Bucks

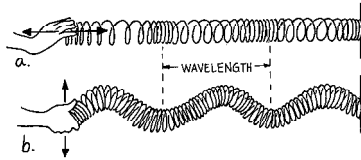


Bonus Bucks

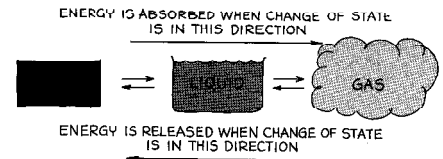


The tile floor feels colder than the wooden floor even though both floor materials are at the same temperature.

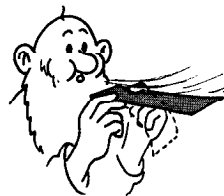
Bonus Bucks



Bonus Bucks

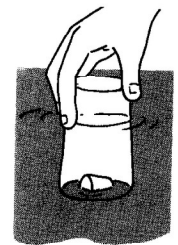


Bonus Bucks



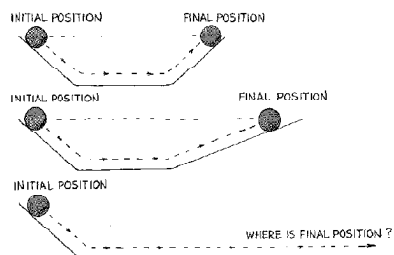
The paper rises when air is blown across its top surface.

Bonus Bucks



Lower a drinking glass over a small floating object. What do you observe?

Bonus Bucks



Bonus Bucks

