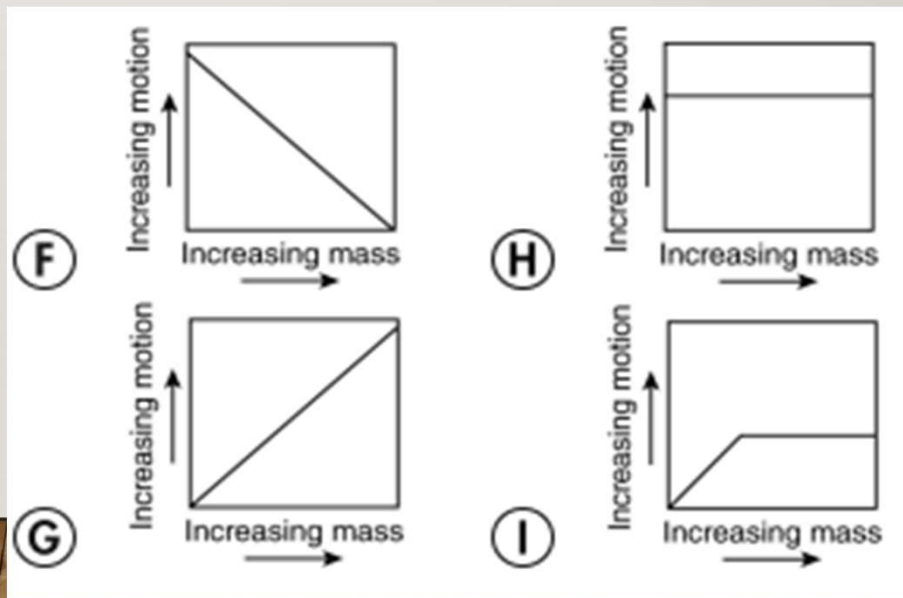


QUESTION OF THE DAY

When an unbalanced force is applied to an object, the object moves in the direction of the force. Which graph shows how the same force will affect objects that have different masses?



BALANCED OR UNBALANCED

- Balanced Forces are forces on an object that are equal in size and opposite direction.
- Unbalanced Forces are forces that cause a change in motion.
 - A force must also overcome the force of friction before an object will move.

BALANCED OR UNBALANCED EXAMPLES

- The push on the first domino was a(n) _____ force that caused it to fall into the next domino.
- The force exerted on to another domino by falling dominoes is balanced by the force of the box. Because the forces are _____, the domino doesn't fall.

PULL (OR PUSH) HARDER

- The greater the force applied, the more force it can transfer to another object.
 - A large force will cause a larger change in motion.
 - A small force will cause little change.