

Who? _____

When? _____

Bill Nye Motion

1. What puts things in motion?
2. Forces are like _____ or _____.
3. When something is sitting still, it stays sitting still unless acted on by an _____
_____. When something is moving it keeps moving unless acted on by an _____
_____.
4. "Harder to move" is a property of matter called _____
5. Why does the quarter fall into the glass?

Newton's First Law:

6. Things at rest stay at _____ and/or, things in motion stay in _____, unless acted on by an
_____.

Newton's Second Law:

7. Force = _____ x _____

Newton's Third Law:

8. For every action, there is an equal and _____ .

9. In zero gravity, do the Laws of Motion still apply?

10. Is the fire extinguisher in the room moving?

11. Using Newton's Laws as a reference, explain what happens to a driver of a car, who is not wearing his seatbelt, after he crashes into a brick wall.