

Name \_\_\_\_\_ Period \_\_\_\_\_ Date \_\_\_\_\_

## Bill Nye: Motion

1. Inertia is a \_\_\_\_\_ of matter.
2. This program is brought to you by \_\_\_\_\_.
3. \_\_\_\_\_ put things in motion.
4. If an object is at rest, it stays at rest unless acted on by an \_\_\_\_\_.
5. This property of matter is known as \_\_\_\_\_.
6. An object in motion stays in motion, an object at rest stays at rest, until an outside \_\_\_\_\_ acts on it.
7. The quarter has inertia. It's not \_\_\_\_\_ so it stays at rest.
8. Newton's 2nd Law of Motion: to move a mass you need a \_\_\_\_\_.
9. Newton's 3rd Law of Motion: For every \_\_\_\_\_ there is an \_\_\_\_\_ and opposite reaction.
10. The scale is measuring the \_\_\_\_\_ of Earth's gravity on the apple's mass.
11. Are the Earth, Solar System, and our galaxy moving right now? \_\_\_\_\_
12. Everything in the \_\_\_\_\_ is in motion.

(during the song)