

## Newton and his laws

### Worksheet 3

### LISTENING

Adapted from: <http://ed.ted.com/lessons/joshua-manley-newton-s-3-laws-with-a-bicycle>

#### Fill in the gaps:

1. It wasn't until the 17<sup>th</sup> century that Isaac Newton described the .....law of motion.
2. Things tend to keep on doing what they are ..... doing.
3. Objects in motion tend to .....in motion and object at rest tend to stay at rest.
4. Physicists call it the Law of Inertia which is which is a ..... way of saying that moving objects don't spontaneously speed up, slow down or change direction.
5. Newton's second law says that .....is the product of mass times acceleration.
6. The more force you apply, the ..... you accelerate.
7. The harder you push on the .....the bigger the force and the quicker you accelerate.
8. According to Newton's third law for every action there is an .....opposite reaction .