

Newton's Laws

Directions: Identify the following scenarios as Newton's 1st Law, Newton's 2nd, or Newton's 3rd Law.

1. A frog leaping upward off his lily pad is pulled downward by gravity and lands on another lily pad instead of continuing on in a straight line.
2. As the fuel in a rocket ignites, the force of the gas expansion and explosion pushes out the back of the rocket and pushes the rocket forward.
3. When you are standing up in a subway train, and the train suddenly stops, your body continues to go forward.
4. After you start up your motorbike, as you give it more gas, it goes faster.
5. A swimmer pushes water back with her arms, but her body moves forward.
6. When you paddle a canoe, the canoe goes forward.
7. As an ice skater pushes harder with his leg muscles, he begins to move faster.

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