Name: _____Date: _____ Period: _____

Newton's First Law: Inertia

1. While you're ice-skating with your friends, you push off from one end of the rink and slide forward. Based on Newton's first law of motion, what is true?

2. How is velocity different from speed?

3. What does friction do to a moving object?

4. Your friend kicks a soccer ball, and it stops a few feet from you. What needs to happen to it in order for it to return to your friend?

5. What is the relationship between heavy objects and inertia?

6. You are riding in the car with your grandfather, and he turns left. Why do you shift to the right?

7. What does the second part of Newton's first law say about objects at rest?

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