

Mr. Hemmingsen

Chapters 4 – 6 Laws of Motion Questions

1. What is Newton's first law of motion? Does it apply to objects at rest, moving objects, or both?
2. How is mass related to inertia?
3. What is the difference between mass and weight?
4. An object weighs 25 N on the earth. A second object weighs 25 N on the moon. Which has the greater mass?
5. How do you calculate the net force of two objects acting in the same direction?
6. How is acceleration related to mass?
7. A person weighs 300 N. What is the mass of the person?
8. A bug splatters against the windshield of a moving car. Compare the force of the bug on the car to the force of the car on the bug.