

Physics

Inertia Questions

1. Your empty hand is not harmed if it is banged lightly against a wall, but is hurt if you are carrying a heavy load, why?
2. Does a person diet to lose mass, or to lose weight?
3. Can the force of gravity ever be greater on a one kilogram mass than on a two kilogram mass? Defend your answer.
4. A car at a junk yard is compressed until its volume is less than one cubic meter. Has its mass changed? Has its weight changed? Explain.
5. If you jump on a bus moving at constant velocity will you land farther back? Explain.
6. On a roller coaster, why do you feel like you will fly you out of the car when it goes over the top of a hill?

