

Week 12 3rd Law

5 Internal Forces

1. If you push off of something you're attached to, what happens?
Can you change speed or direction that way?

2. In order to change speed or direction, what do you need?

3. Why do astronauts tether themselves to the ISS on spacewalks?

4. If an astronaut drifts away from the ISS with no tether, How could they get back?

5. A bug flies onto the highway and gets splattered onto the windshield of a passing car.

Which one gets the larger force - the bug or the car?

Why does the bug get destroyed and the car has hardly any change in speed?



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