

Newton's Second and Third Laws

Answer the following questions referring to Newton's second and third laws of motion.

1. Explain why a person wearing a cast on one leg becomes more tired than usual by the end of the day.
2. Why do large automobiles such as vans and SUVs tend to have larger engines than compact or sub-compact cars?
3. When is a serious injury more likely to occur? When a car crashes into a large tree or into a wooden fence? Explain why.
4. Describe how a rocket launching is an application of Newton's Third Law of Motion.
5. Explain how walking is an example of Newton's Third Law of Motion.