

NEWTONS SECOND LAW

Video Questions

1. What did they think would happen if a bird fell out of a tree if the earth was spinning?
2. What happens to a coin if you flip it into the air while taking off in a plane?
3. In order to accelerate (speed up/down), what has to be applied to you?
4. How many newtons does a kilogram weigh?
5. So what happens to the speed of an object if no net force is applied?
6. If I want an objects acceleration to be 3.5x's as much, how much more force must I apply?
7. What affects the acceleration in addition to the force applied?
8. What idea did Galileo not get together but Newton did?
9. What is the relationship between force and mass in newtons second law?
10. Draw his diagram of the roller coaster problem. Why don't the heavy cars catch up to the light ones?
11. When you have terminal velocity, what is your acceleration?