

Forces Unit Study Guide

Use this as a reference guide on what to study for your test on our Forces Unit. If you know all of these answers, you should be good to go for your test!

1. What is a reference point and how does it prove that motion is relative?
2. What is Newton's first law of motion? How is it seen in the world?
3. What is Newton's second law of motion? How is it seen in the world?
4. What is Newton's third law of motion? How is it seen in the world?
5. Describe contact forces. Where can you see some in action?
6. Describe noncontact forces. Where can you see some in action?
7. What is the difference between balanced and unbalanced forces?
8. What is inertia and how does mass affect it?
9. How can speed graphs be used to create stories about movements?
10. Describe the four types of friction. Where do you need each in action?
11. What is static electricity and how can objects become charged?
12. How does the charge of objects affect electrical fields?
13. What could cause a magnetic field to be stronger or weaker? Describe Earth's.
14. How can you create an electromagnet? What would make it stronger or weaker?
15. Analyze the image below. What is the net force?

