

Name _____ Period _____

Physics Questions (Orange Book Chapter 5 pp. 130-143)

1. What is *instantaneous speed*?
2. "When you ride in a car, the instantaneous speed is given by the _____."
3. What is *velocity*?
4. What is *acceleration*?
5. What does *force* mean?
6. (True/False) For an object's motion to change, a force must be applied to the object.
7. "Two or more forces are balanced forces if...."
8. "The combination of all the forces acting on an object is the _____."
9. "Newton's First Law of Motion states that...."
10. "Newton's First Law says that the motion of the ball won't change unless...."

11. What is *friction*?

12. "The size of the frictional force depends on..."

13. What does *inertia* mean?

14. "Newton's 2nd Law tells how..."

15. What is the equation that defines Newton's 2nd Law?

16. "When a net force acts on an object, the object's acceleration depends on its _____."

17. "According to Newton's 3rd Law, when one object exerts a force on a second object, the second object..."

18. "The force exerted by the first object is the _____."

19. "The force exerted by the second object is the _____."