

Name _____ Date _____ Period _____

Chapter 7 Concept Review

PHYSICS

Directions: Answer the following questions using your notes and textbook

1. Force is part of a mutual action– an _____
2. Always a _____ of forces– led Newton to his third law (law of _____ and _____)
3. *Whenever one object exerts a _____ on a second object, the second object exerts an _____ and _____ force on the first object*
4. One force called _____ force and the other is called the _____ force
5. They are equal in _____ and opposite in _____
6. “To every _____ there is always an equal opposing _____”
7. Forces include _____ and _____ - _____ forces
8. Newton’s second law states that _____ is not only proportional to net force, but also inversely proportional to _____.
9. If action and reaction forces are _____ to a system, they cancel each other and produce no acceleration of the system
10. Action and reaction forces do not cancel each other when either is _____ to the system being considered.
11. Newton’s Second Law: **a** =
12. Newton’s Second Law: **F** =
13. Newton’s Second Law: **m** =
14. Force on cannonball. **F** =
15. Force on cannon. **F** =

