

Name: _____

PHYSICS I – MECHANICS VOCABULARY ACCELERATION
Chapter 4: Dynamics: Newton's Laws of Motion

DIRECTIONS: Define the following words from the chapter. (Note: “†” means it is located twice in the chapter. Include both definitions. “*” means read the section to define the vocabulary term.)

1. Dynamics (Introduction)
2. †Force (4-1)
3. Newton's First Law of Motion (4-2)
4. Inertia (4-2)
5. Law of Inertia (4-2)
6. Inertial Reference Frames (4-2)
7. Noninertial (4-2)
8. Mass (4-3)
9. Kilogram (4-3)
10. Newton's Second Law of Motion (4-4)
11. Net Force (4-4)
12. †Force (4-4)
13. Newton (4-4)
14. Newton's Third Law of Motion (4-5)
15. Gravitational Force (4-6)
16. Weight (4-6)
17. Contact Force (4-6)
18. Normal Force (4-6)
19. Normal (4-6)
20. Net Force (4-7)
21. †Free-Body Diagram (4-7)
22. Force Diagram (4-7)
23. †Free-Body Diagram (4-7)
24. Resolve Vectors (4-7)
25. Tension (4-7)

26. Mechanical Advantage (4-7)
27. Kinetic Friction (4-8)
28. Static Friction (4-8)
29. †Free-Body Diagram (4-9)
30. Coordinate System (4-9)
31. Relationships (4-9)
32. Equations (4-9)
33. Units (4-9)