

Unit 3 – Vocabulary Mechanical Interactions and Forces

Name_____

Cycle 1 Activity 1 Forever Away?

1. Force p. 186:

2. Acceleration (used but not defined in book until Activity 11) p. 216:

3. Constant speed (used but not defined in book)

Activity 12: Simple Machines

4. Simple machines p. 218:

5. Input force (or effort) p. 219:

6. Output force (or load) p. 219:

7. Lever p. 220:

8. Fulcrum p. 220:

9. Wheel (used but not defined in book) p. 221:

10. Axle p. 221:

11. Pulley (used but note defined in book) p. 222:

12. Inclined plane (used but not defined in book) p. 223:

13. Screw p. 223:

14. Wedge p. 223:

15. Compound machine (or complex machine) p. 224:

Cycle 2: Gravitational Interactions

Activity 1: What causes gravity?

16. Gravity (used but not defined in book) p. 226:

Activity 2: Testing Ideas about Gravity

17. Atmosphere p. 228:

Activity 4: Weight

18. Weight p. 233:

Activity 6: Orbital Motion

19. Orbit:

Activity 7 Terminal Speed

20. Terminal speed (used but not defined in book) p. 240:

Activity 8 Unbalanced and Balanced Forces

21. Newton p. 243:

Activity 9 Buoyancy

22. Buoyant force p. 249:

23. Fluid p. 254:

Activity 10 Potential Energy

24. Potential energy p. 256:

25. Kinetic energy p. 256:

26. Gravitational energy p. 257:

Activity 11: The Solar System

27. Terrestrial planet:

28. Gas-giant:

29. Moon (satellite) p. 263:

Activity 12 Distances in Space

30. Astronomical unit:

31. Light-year p. 273: