Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Lab Physics-End of Chapter Questions Chapter 2B (pages 17-22)

**Review Questions (page 23)**

15. When an object is falling through the air and is influenced only by gravity. Air resistance and friction forces are negated.

16. 10 m/s every second

17. v(5)=50 m/s v(6)=60 m/s

18. A=g=10 m/s/s for any time (gravity’s acceleration is constant)

19. D=1/2gt2 D(5)=125 m D(6)=180 m

22. Decrease

23. v=gt D=1/2gt2

**Think and Explain (Page 24):**

4a. 10 m/s every second

4b. 20 m/s every second

5. Increase with time

6a. 10 m/s every second

6b. 10 m/s every second

6c. Same amount of time

8a. V=gt V=100 m/s

8b. Vave=(V1+V2)/2 Vave=(0+100 m/s)/2 = 50 m/s

8c. D=1/2gt2=1/2 (10 m/s/s)(10 s)2= 500m

10. 50 m/s (5 seconds up, 5 seconds down)