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

Lab Physics-End of Chapter 5 Questions (pages 54-65)

**Review Questions (page 64)**

2. Same

4. Water pushing you foward

5. Arrow acting on bowstring

6. The mass of the earth is so much larger

8. Rocket pushes gas out the back, the gas pushes the rocket forward

10. Because the forces act on different objects

15. 200 N

**Think and Explain (Page 65):**

1. The force that you exert on the earth

4. Yes, but so small because the earth’s mass is so large

5. You push down on the sink, the sink pushes up on you, making the force you exert on the earth less (weight). If you push up on the sink, the sink pushes down on you, making the force you exert on the earth (weight) more.

9. Both have the same force. The bike undergoes the greater acceleration because it has less mass.

11. Forces act on different objects. The net force on the bullet is positive.