**Chapter 3, Section 3.1- pages 77-84 Gravity is a Force Exerted by Masses**

1. **Pg77 Para 1- What is the definition of gravity?**
2. **Pg77 Para 2- Why is gravity considered a universal force?**
3. **Pg78 Para 1- The strength of gravitational force between 2 objects depends on what 2 factors?**
4. **Pg78 (In the boxes) LOOK AT THE PICTURE ON THE PAGE TO ANSWER THE QUESTION**

**(BOX 1) Greater mass results in \_\_\_\_\_\_ \_\_\_\_\_\_\_\_.**

**(BOX 1) Greater distance results in \_\_\_\_\_\_\_\_\_\_\_ force.**

1. **Pg78 Last Para The acceleration of the Earth’s gravity is called \_\_\_\_\_\_\_\_\_\_\_\_\_ and is equal to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ at the Earth’s surface.**
2. **Pg78 Para Last - What is the formula for expressing Newton’s 2nd Law?**
3. **Pg79 Above 1st Para- What kind of acceleration does an object falling in a vacuum have?**
4. **Pg79 Para last- What is mass?**
5. **Pg79 Para last- What is weight?**
6. **Pg80 Para 1st (A NUMBER) The moon’s gravitational pull is \_\_\_\_\_\_\_\_\_ that of the Earth.**
7. **Pg80 Para 2- The elliptical path one body follows around another body due to the influence of gravity is called? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**
8. **Pg80 Para 1- Centripetal force is the gravitational pull between the \_\_\_\_\_\_\_\_\_ and the \_\_\_\_\_\_\_\_\_\_\_\_\_.**
9. **Pg83 Para 2- A free fall is a fall due entirely to \_\_\_\_\_\_\_\_\_\_\_\_\_\_.**