

Name: _____
Mr. Willis
Conceptual Physics: _____
Date: _____

Unit III
Forces and Motion (Newton's Laws)
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Gravity—A Familiar Force

Write answers to the following questions on the blank lines provided.

1. What is gravity? _____

2. What are two things that the amount of gravitational force between two objects depends on?

3. Why does Earth exert a stronger gravitational force than the moon? _____

4. If an object weighs 40 N on Earth, would it weigh more than 40 N on the moon? Explain your answer. _____

5. If an object has a mass of 26 g on Earth, would its mass be less than 26 g on the moon? Explain your answer. _____

Circle the picture in each set below that shows the greater gravitational force between the two objects.



