

Name: _____

Date: _____



GENIUSCHALLENGE

GRAVITATIONAL FORCE

1. Gravity is a _____ between objects and depends on an object's size and their distance apart.

2. _____ stays the same no matter what location you are in.

3. What causes the ocean tides to change from high tide to low tide?

4. The scientist who wrote the universal law of gravitation was _____.

5. _____ can change based on the force of gravity on an object.

6. _____ pulls objects to the center of the Earth.

7. _____ are scientists who study space.

8. If a 2 pound ball and a 1 pound ball were dropped from the same height at the same time, which one would hit the ground first? Explain why. _____

9. Explain how the same object can weigh more by the ocean than it does at the top of a mountain.

10. Use a model (word, drawing, or both) to explain why the open umbrella hit the ground after the closed umbrella. _____
