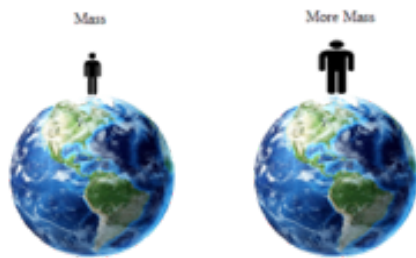


Gravity and Space

Name: _____

Date: _____

1. When you drop a cup with a hole in the bottom full of water why does the water not pour out? Explain (ESS1-2)
2. What is the attraction that pulls objects toward each other?(ESS1-2)
3. What two factors affect the strength of gravity?(ESS1-2)
4. Which person would have a greater pull of gravity? Explain (ESS1-2)



5. Which person would have a greater pull of gravity? Explain (ESS1-2)



6. The tendency of an object to resist change is called... (ESS1-2)

7. Newton's first law of motion states...(ESS1-2)

8. What role do gravity and Inertia play in keeping the moon revolving around the sun? Explain and draw a picture(ESS1-2)

9. 4.6 billion years ago scientist believe that what formed?(ESS1-2)

10. What role did gravity play in forming our Solar System? (ESS1-2)

11. What is the Big Bang Theory? (ESS1-2)

12. What two pieces of evidence support the Big Bang? Explain(ESS1-2)

13. Dark matter does not give off electromagnetic radiation and cannot be seen directly. How have scientist inferred its presence?(ESS1-2)

14. Why do astronomers use telescopes? (ESS1-3)

15. A _____ collects data about the solar system and send the information back to Earth. (ESS1-3)

16. Astronomers use _____ to explore the surface of planets that humans can not land on. (ESS1-3)

