1. UNIT: gram (g) OR Newton (N)

2. measures the pull of gravity on an object OR measures the amount of matter in an object

3. gravity = 1 OR gravity < 1

(same, different) mass because amount of matter (does, does not) change...

(same, different) weight because moon has (same, less, more) gravity.

2. THE STRENGTH OF GRAVITY

(more, less) MASS MORE GRAVITY
1. WRITE the mnemonic to remember the order of the
   Planets with NO moons
   Brightest Planet in the sky
   Least dense planet could float on water.
   Brightest Planet in the sky
   Most dense planet
   Planet with the most moons
   Smallest Planet
   Hottest Planet
   Largest Planet
   Spectacular Rings
   Planet suitable for life
   Planet tipped on its side

   HINT: M(1), V(2), E(2), M(0), J(1), S(1) U(1), N(1).

2. What is the pattern as the planets get further away from the sun?
   (choose correct answer)

   - Colder OR hotter temperature
   - Longer orbit/yr OR shorter orbit/yr
   - Move slower OR move faster
   - Strong gravitational force w/ sun OR weak gravitational force w/ sun

3. IDENTIFY PLANET with each SPECIAL CHARACTERISTIC. Write planet on back of card.
   - Planets with NO moons
   - Brightest Planet in the sky
   - Least dense planet could float on water.
   - Brightest Planet in the sky
   - Most dense planet
   - Planet with the most moons
   - Smallest Planet
   - Hottest Planet
   - Largest Planet
   - Spectacular Rings
   - Planet suitable for life
   - Planet tipped on its side

   HINT: M(1), V(2), E(2), M(0), J(1), S(1) U(1), N(1).

DIRECTIONS:
Using your worksheets, internet or lab partners, identify which characteristics belong with inner planets and outer planets and write them in the appropriate boxes.

- Spacing: far apart OR close together
- Diameter: large in size OR small in size
- Surface: rocky surface (solid) OR gaseous
- Density: low density OR high density
- Moons: few or no moons OR many moons
- Rings: do NOT have rings OR has rings
- Rotation: spin fast (shorter days) OR spin slow (longer days)
- Revolution: longer year OR shorter year
- Velocity: orbit sun fast OR orbit sun slow
- Atmosphere: WAIT ON THIS UNTIL TOMORROW :)