

5. The chart below lists several classical concepts which we now know are no longer accurate. Complete the chart by listing our current view of the concept and the name of the individual responsible for this current view. (15%)

Classical View	Current View	Person responsible for change
Solar system is geocentric		
The heavenly bodies are perfect		
The planets move in circular orbits		

6. J.J. Lagrange called Newton “the greatest genius who ever lived”. What was Newton’s contribution to our understanding of the solar system?(10%)

7. Below are listed three people along with one of their contributions. Briefly describe what each individual did and how it contributed to our understanding of the atom. (20%)

a. Antoine Lavoisier - a classic experiment with mercuric oxide (HgO).

b. Ernest Rutherford - an important experiment with gold foil.

c. Dimitri Mendeleev - the periodic table

Useful Information:

Meter = 39.37 inches = 1.094 yards

Yard = 0.9144 meter

Mile = 1.609 kilometers

Inch = 2.54 centimeter

Quart = 0.9463 liter

Pound = 0.453 kilograms

Ounce = 28.53 gram