Bryan Guner

Molecular Geometry Procedure

1. Select 6 balloons, each a different color and inflate them all to the same size and number them and place a dot on top of each.
2. Tie 1 and 2 together and hold them so the distance between their tops is the greatest .
3. Add # 3 and keep the tops of the balloons equidistant from each other.
4. Add balloon 4 , , place flat on the lab bench and note dot to dot distance to it’s two nearest Nabors.
5. Add #5 and repeat procedure from 4.
6. Take the 5 balloon system of the table, find the greatest and smallest dot to dot distances.
7. Add balloon # 6 note dot distances between adjacent balloons, force the octahedral configuration and measure dot distances.

Part B:

1. Inflate 3 balloons to the size of a basket ball, letter them A-C. Mark their tops with a dot
2. Replace # 6 with A from step A7.
3. Remove #4 and 5 to be replaced with B.
4. Replace #3 with C
5. Hold in the air.
6. Hold in air with the small balloons in the equatorial positions.