**GPS – Bohr Models Review Worksheet**

Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period\_\_\_\_\_\_\_\_\_\_

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| ***Figuring out the particles*** |
| http://i3.cpcache.com/product/1395996456/2_helium_tile_coaster.jpg?height=225&width=225 |
| 1. **Atomic number** = number of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_   = number of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  So for Helium: electrons \_\_\_\_\_\_\_\_ protons \_\_\_\_\_\_\_\_\_   1. **Mass** = neutrons + protons   **Neutrons** = mass – protons   So for Helium: mass \_\_\_\_\_\_\_\_ -- protons \_\_\_\_\_\_\_\_\_ = neutrons \_\_\_\_\_\_\_\_\_   1. Recap: Helium has \_\_\_\_\_\_\_ protons \_\_\_\_\_\_\_\_ neutrons \_\_\_\_\_\_ electrons 2. In the nucleus, let’s just write the number of protons and neutrons. 3. Now, add electrons to the first shell.     1st energy shell = \_\_\_\_\_\_\_\_ electrons  2nd energy shell = \_\_\_\_\_\_\_\_ electrons  3rd energy shell = \_\_\_\_\_\_\_\_ electrons  If you fill the 1st , add to the 2nd!  If you fill the 2nd, add to the 3rd! |