**Name: Period: Seat#:**

**Worksheet #15B**

**Fill out the missing information in the chart below:**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Q#** | **Name** | | **Formula** | | | **Type of IMF** | | |
| **1** | Aluminum sulfate | |  | | |  | | |
| **2** | Ammonium phosphate | |  | | |  | | |
| **3** |  | | CO2 | | |  | | |
| **4** |  | | CaCO3 | | |  | | |
| **5** | Nitrogen trihydride | |  | | |  | | |
| **6** |  | | S2F2 | | |  | | |
| **7** |  | | P2O5 | | |  | | |
| **8** | Magnesium nitrate | |  | | |  | | |
| **9** |  | | Pb3P2 | | |  | | |
| **Q#** | **Formula** | **Lewis Structure** | | **Polar or non-polar?** | **Q#** | **Formula** | **Lewis Structure** | **Polar or non-polar?** |
| **10** | CH2F2 |  | |  | **13** | CH2O |  |  |
| **11** | CO2 |  | |  | **14** | SeH2 |  |  |
| **12** | NCl3 |  | |  | **15** | NO3- |  |  |

**Order each group below from strongest to weakest IMF and give the type of IMF:**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **16** | N2, HF, Na, CH2O | | | | | | |
| *Formula* | *Strongest* |  |  |  |  | *Weakest* |
| *IMF* |  |  |  |  |
| **17** | H2S, NH3, CH4, (NH4)2SO4 | | | | | | |
| *Formula* | *Strongest* |  |  |  |  | *Weakest* |
| *IMF* |  |  |  |  |