**Holy Moley! Mole/Gram Calculations**

*Fill out the blanks in this wonderful worksheet below:*

|  |  |  |  |
| --- | --- | --- | --- |
| **Formula** | **Molar Mass** | **Grams of Compound** | **Moles of Compound** |
| Fe3(PO4)2 |  |  | 1.4 |
| NaOH |  | 34.8 |  |
| B2H4 |  |  | 378 |
| ammonia |  | 664 |  |
| NaN3 |  |  | 64.9 |
| beryllium oxide |  | 23.1 |  |
| OsO4 |  |  | 32.3 |

**Holy Moley! Mole/Gram Calculations KEY**

*Fill out the blanks in this wonderful worksheet below:*

|  |  |  |  |
| --- | --- | --- | --- |
| **Formula** | **Molar Mass** | **Grams of Compound** | **Moles of Compound** |
| Fe3(PO4)2 | 357.5 g/mol | 500.5 | 1.4 |
| NaOH | 40.0 g/mol | 34.8 | 0.87 |
| B2H4 | 25.7 g/mol | 9715 | 378 |
| ammonia | 17.0 g/mol | 664 | 0.0256 |
| NaN3 | 65.0 g/mol | 4219 | 64.9 |
| beryllium oxide | 25.0 g/mol | 23.1 | 0.924 |
| OsO4 | 254.2 g/mol | 8211 | 32.3 |