**p. 172 – Review WS**

|  |  |  |
| --- | --- | --- |
| **Scientific Notation** | **4.523 x 10-4** | **349000** |
| **Metric Conversions** | **0.0450 Dm** | **120000 cL** |
| **Molar Mass** | **184.1 g/mol** | **149.1 g/mol** |
| **Single Unit Dimensional Analysis** | **3810.6 g** |
| **Double Unit Dimensional Analysis** | **32.25 Km/wk** |
| **Converting From grams🡨🡪 moles** | **0.1896 mol** | **161.15g** |
| **Converting from moles 🡨🡪 Particles** | **4.45 x 1024molecules** |
| **4651.2 mol** |
| **Converting from grams 🡨🡪 moles 🡨🡪 particles** | **8.36 x 1023 molecules**  |
| **4.17 x 1013 g** |

**p. 175 – Gasoline Problem**

4.5 x 1026 atoms

**p. 176 – Challenging Mole Conversion WS**

1) 5.01 x 1024atoms

2) 253.98 g

3) 3.01 x 1025 atoms

4) 2.98 x 1025 molecules

5) 7.47 x 105 g

6) 6.36 x 1024 atoms

**p. 178 – Mole Ratio WS**

1) 6 mol H2

2) 9 mol O2

3) 3 mol H2

4) 20 mol O2

5) 6 mol KNO3