**Measurement/Dimensional Analysis Lab Activity**

**Part 2**

**Use dimensional analysis to convert the measurements from last Friday’s lab activity.**

**Mass**

1. Convert the mass of the first object from **grams to kilograms.**
2. Convert the mass of the second object from **grams to megagrams.**
3. Convert the mass of the third object from **grams to nanograms.**

**Length**

1. Convert the length of the first object from **cm to km.**
2. Convert the length of the second object from **cm to pm.**
3. Convert the length of the third object from **cm to Gm.**

**Volume**

1. Convert the volume of the first object from **mL to cL.**
2. Convert the volume of the second object from **mL to TL.**
3. Convert the volume of the third object from **mL to microliters.**

**Time**

1. Convert the time of the first person from **seconds to milliseconds.**
2. Convert the time of the second person from **seconds to kiloseconds.**
3. Convert the time of the third person from **seconds to megaseconds.**
4. Convert the time of the fourth person from **seconds to picoseconds.**