**Chemistry HP**

**Unit Conversion Worksheet**

Try the following conversions.

Convert:

**1. 1.6 m into mm**

**2. 36 g into kg**

**3. 470. mi into km**

**4. 1.43 kg/L into g/mL**

**5. 86 inches into m**

**6. 9.3 ×10−5 g into µg**

**7. 30 feet per second into miles per hour**

**8. 18 mm into m**

**9. 400. nm into m**

**10. 1.54 ×10−10 m into mm**

**11. 0.43 L into dL**

**12. 87 dL into mL**

**13. 8 mL into L**

**14. 1.01 L into mL**

15. Levoxyl is a drug used to treat hypothyroidism. If a patient takes one 75 µg tablet per day, how many milligrams of Levoxyl are in their 1 month (30 day) supply?

16. A common pain reliever contains 500 mg of Acetaminophen per tablet. The package directions recommend taking no more than 8 tablets in a 24 hour period. How many grams of Acetaminophen a day is the maximum recommended dose?

17. Suppose you have folder containing 94 MB (megabytes) of material on your computer’s hard drive that you want to back up. This would ﬁt on a 100 MB zip, but your zip drive recently broke. How many ﬂoppy disks would you need to use to back up the folder? (A ﬂoppy disk holds about 1.38 megabytes of electronic material).

18. Brad’s computer has 23.5 GB (gigabytes: 1 GB = 1024 MB) of free space. His drive has a capacity of 40.0 GB. A typical writable CD will hold about 700 MB of electronic material. How many CD’s does he need to back up his hard drive?