

General Chemistry
Mr. MacGillivray
Quiz #1:
Chemistry and Scientific Notation

1. Define chemistry. Chemistry is the study of matter & the changes it undergoes

Convert the following numbers to standard scientific notation.

2. $0.0000324 = \underline{3.24 \times 10^{-5}}$

3. $76,000 = \underline{7.6 \times 10^4}$

4. $563 = \underline{5.63 \times 10^2}$

5. $0.0509 = \underline{5.09 \times 10^{-2}}$

Perform the following calculations. Report your answers in standard scientific notation. No work needs to be shown. No partial credit for correct arithmetic with wrong notation.

6. $\frac{6 \times 10^8}{2 \times 10^3} = \underline{3 \times 10^5}$

7. $\frac{2 \times 10^3}{5 \times 10^5} = \underline{4 \times 10^{-3}}$

8. $30,000 + 2,000 = \underline{32,000 = 3.2 \times 10^4}$