

1. (2 points) What is the elemental symbol for the element boron?

B

2. (2 points) What is the name of the element with the elemental symbol Fe?

iron

3. (4 points) Write the following measurements in correct scientific notation.

a. 384000 m 3.84 x 10⁵

b. 0.0000000458 sec 4.58 x 10⁻⁸

4. (4 points) How many significant figures are in the following numbers

a. 4.039900 7

b. 0.000243 3

5. (4 points) Round the following numbers to 3 significant digits.

a. 84.956 g 85.0

b. 3.92244 x 10²⁵ atoms 3.92 x 10²⁵ atoms

6. (4 points) Perform the following calculations to the correct number of significant figures

a. 64.349 + 82.8 =

b. $0.58744 \times \frac{8.613}{0.280} =$

1. (2 points) What is the elemental symbol for the element helium?

2. (2 points) What is the name of the element with the elemental symbol Pt?

3. (4 points) Write the following measurements in correct scientific notation.
 - a. 84300000 m _____
 - b. 0.0000884 sec _____

4. (4 points) How many significant figures are in the following numbers
 - a. 644.900 _____
 - b. 0.001243 _____

5. (4 points) Round the following numbers to 3 significant digits.
 - a. 38.973 g _____
 - b. 8.6632×10^{25} atoms _____

6. (4 points) Perform the following calculations to the correct number of significant figures
 - a. $47.849 + 82.8 =$
 - b. $0.54221 \times \frac{8.613}{0.280} =$