Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

TUTORING SHEET

Unit 1

1. Chemistry is the study\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. List the steps of the scientific method and explain them
2. Convert 202K to degrees Celsius
3. Convert 35.2 inches to feet
4. Convert 8.5 cm to km
5. Convert 2.98 mm to cm
6. Put the following numbers into scientific notation:
7. .00000456 cm \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
8. 4,500,000,000 in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
9. Take the following number out of scientific notation:
10. 4.56 x 10 -4 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
11. How many sig figs are in the following numbers
12. 345.000007 \_\_\_\_\_\_ b. .0000000934\_\_\_\_\_\_\_ c. 10\_\_\_\_\_ d. 20004.0 \_\_\_\_\_
13. On what side of the periodic table are the metals?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
14. List three nonmetals\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
15. When making graph, which axis does the independent variable go on?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Which axis does the dependent variable go on? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. How do you write a title on a graph? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Graph the following data : Calculate the scale

|  |  |
| --- | --- |
| Time (days) | Plant growth (mm) |
| 0 | 0 |
| 1 | 10 |
| 2 | 23 |
| 3 | 34 |
| 4 | 39 |
| 5 | 46 |

X axis\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Y axis\_\_\_\_\_\_

