



## Chem Skills Worksheet #3: Significant Figures

**A. Determine the number of significant figures in each of the following:**

		Number of Significant figures
1.	.93	2
2.	340	
3.	0.097	2
4.	39.5	
5.	0.09305	4
6.	38.05	
7.	0.00760	2
8.	1.008	
9.	10001	5
10.	15.96	

		Number of Significant figures
11.	10100	3
12.	$1.95 \times 10^3$	
13.	89050.	5
14.	$3.9 \times 10^3$	
15.	9963	4
16.	7002	
17.	600	1
18.	.004560	
19.	541.005	6
20.	0.00035	

**B. Provide the symbol for each element and round the atomic masses to 3 significant figures.**

	Element name	Element Symbol	Atomic Mass (amu)	Atomic Mass rounded to 3 significant figures (amu)
21.	Aluminum	Al	26.98514	27.0
22.	Carbon		12.011	
23.	Hydrogen	H	1.0079	1.00
24.	Mercury		200.59	
25.	Uranium	U	238.029	238
26.	Gold		196.9665	
27.	Cesium	Cs	132.90	133
28.	Barium		137.3125	
29.	Argon	Ar	39.9485	39.9
30.	Magnesium		24.3102	

Name \_\_\_\_\_

Date \_\_\_\_\_

Period \_\_\_\_\_

Name \_\_\_\_\_ Date \_\_\_\_\_ Period \_\_\_\_\_

Chem Skills Worksheet #4: Significant Figures

**A. Determine the number of significant figures in each of the following:**

1. 9963 \_\_\_\_\_

2. 7002 \_\_\_\_\_

3. 600 \_\_\_\_\_

4. .004560 \_\_\_\_\_

5. 541.005 \_\_\_\_\_

6. 0.00035 \_\_\_\_\_

7. 63005 \_\_\_\_\_

8. 32.054 \_\_\_\_\_