

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

### Chemistry Pre-Test (2011)

1. What element has \_\_\_\_ protons? \_\_\_\_\_
2. What neutral element has \_\_\_\_ electrons? \_\_\_\_\_
3. How many neutrons does \_\_\_\_\_ have? \_\_\_\_\_

What is the charge of the following ions?

4. \_\_\_\_\_ = \_\_\_\_\_
5. \_\_\_\_\_ = \_\_\_\_\_
6. \_\_\_\_\_ = \_\_\_\_\_
7. \_\_\_\_\_ = \_\_\_\_\_
8. Explain ( in complete sentences) the structure of the atom in as much detail as you can. Use a drawing if it helps.

Explain (in a complete sentence) the following terms, using equations and units.

9. Kinetic energy:
10. Potential energy:
11. What is the difference between mass and weight? Explain in a complete sentence using the units.

Balance the following chemical equations:

12.

13.

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## Periodic Table of the Elements

[illegible]