

Name _____

1. List 3 things that you learned about protons.

- a. _____
- b. _____
- c. _____

2. List 3 things that you learned about electrons.

- a. _____
- b. _____
- c. _____

3. As

- a) How many protons does it contain? _____
- b) How many neutrons does it contain? _____
- c) How many electrons does it contain? _____
- d) What group is it in? _____
- e) What period is it in? _____
- f) Is it a metal, nonmetal, or metalloid _____

4. V³⁺

- a) How many protons does it contain? _____
- b) How many neutrons does it contain? _____
- c) How many electrons does it contain? _____
- d) What group is it in? _____
- e) What period is it in? _____
- f) Is it a metal, nonmetal, or metalloid _____

5. N³⁻

- a) How many protons does it contain? _____
- b) How many neutrons does it contain? _____
- c) How many electrons does it contain? _____
- d) What group is it in? _____
- e) What period is it in? _____
- f) Is it a metal, nonmetal, or metalloid _____

6. Magnesium-26

- a) How many protons does it contain? _____
- b) How many neutrons does it contain? _____
- c) How many electrons does it contain? _____
- d) What group is it in? _____
- e) What period is it in? _____
- f) Is it a metal, nonmetal, or metalloid _____

7. What are Isotopes?

9. What two major discoveries did Rutherford make in his gold foil experiment?

Discovery 1:

Discovery 2:

10. What is the difference between a cation and anion?