

1. List 3 things that you learned about neutrons.

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

2. List 3 things that you learned about electrons.

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

3. List 3 things that you learned about protons.

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

4. Cs

- 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? _____

5. P³⁻

- 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) Is it a metal, nonmetal, or metalloid _____

6. Cu²⁺

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

7. Silicon-30

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

8. What is a nucleus and what particles are located in it?

9. Draw a sketch of Rutherford's gold foil experiment and label all the parts.

10. Carbon-14

- a) How many protons does it contain? _____
- b) How many neutrons does it contain? _____
- c) What group is it in? _____
- d) What period is it in? _____
- e) How many electrons does it contain? _____