

Answer the questions in Part I below. Then play the Element Flash Cards Game. Show me your results for a grade

All About Atoms

Part I

1. What are atoms?
2. Atoms are made out of what 3 basic particles?
3. Protons carry what type of charge?
4. Neutrons carry what type of charge?
5. Electrons carry what type of charge?
6. Scientists thought there was nothing smaller than the proton in the nucleus of an atom. But in 1968 scientists discovered what type of particles inside a proton?
 - 6a. How many of these particles are there?
 - 6b. What holds them together?
7. Scientists thought there was nothing smaller than the neutron in the nucleus of an atom. But in 1968 scientists discovered what type of particles inside a neutron?
 - 7a. How many of these particles are there?
 - 7b. What holds them together?
8. The nucleus is the center of the atom. It was discovered in 1911. It took 21 more years for scientists to identify the parts of the nucleus. What are they?

Click on Fun Facts

9. If an electron weighed the same as a dime, a proton would weigh the same as?

10. How does the mass of a proton and a neutron compare?
11. How many protons in an atom of carbon?
12. How would you make a new or different kind of atom?
13. If the hydrogen atom you see were drawn to scale how far away would the electron be from the nucleus of the atom?

Part II

Go to Games and Puzzles

Select Element Flash Cards

Go with 10 questions, Chemical Names and Chemical Symbols, and Properly Capitalized.

Play the game

Let me see your results for a grade. You may play the game more than once to get a better score.