

Chemistry questions for test

1. Who was the first person in history to propose the concept of atom?
2. Why didn't this concept catch on?
3. How did the ancient Greeks view the World?
4. What is phlogistone and what was its role in the history of chemistry?
5. Compare the proton, neutron and electron.
6. What is periodicity?
7. What is atomic number?
8. What is an ion?
9. What is an isotope?
10. What is the Aufbau principle?
11. What is an orbital? What are possible shapes of orbitals? What orbitals can you name?
12. What is Hund's rule?
13. Interpret the notation $1s^2 2s^2 2p^1$.
14. What is common to the elements in the same row?
15. What is common to the elements in the same column?
16. What is the relative atomic mass number?
17. What is Carbon-14 dating? Explain how it is done.
18. How many atoms/mollecules are in one mole of a substance?
19. How many liters does one mole of substance occupy in gaseous form at standard temperature and pressure (0°C , 1 bar)?