

27. Which atom is bigger, Kr or Xe?

28. Who invented the first periodic table? How was it different from Henry Mosley's periodic table that we use today?

Mendeleev invented 1st periodic table -
arranged by increasing mass. We use Mosley's
table arranged by increasing atomic number

29. Does Rb or K have more control over their valance electrons? _____

30. Which element on the periodic table has the greatest electronegativity?

F

31. Do non-metals get bigger or smaller after becoming an ion? bigger

32. Which atom is easier to take an electron off, a big atom or small atom?

big atom → e⁻ farther from nucleus

33. Which ionizes more easily; metal or non-metal? metal

34. Why does sodium have very little electronegativity?

only 2 valance e⁻

35. Which is more electronegative; Cl or I?

36. Does electronegativity help predict what kind of bond will exist between atoms? yes

37. What types of atomic orbitals are found in the third principle energy level?

3s 3p 3d

38. Which family ends with s²p⁵? halogen

39. Why does an atom get bigger going from top to bottom of a group or family?

adding on another energy level

40. What is the electron configuration for Ca⁺², calcium ion.
