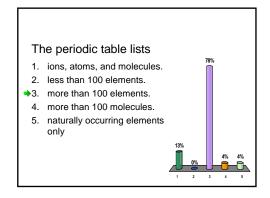
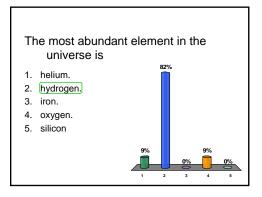
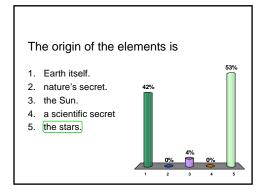
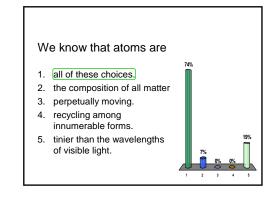
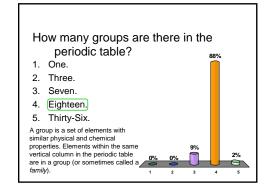
Any material that is made up of only one type of atom is classified as 1. an element. 2. an isotope. 3. molecularly pure. 4. radioactive 5. a substance.

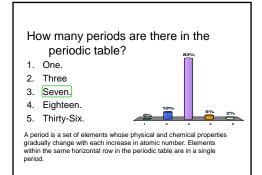


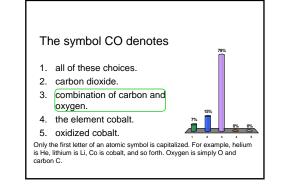


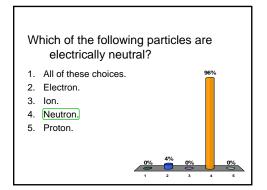




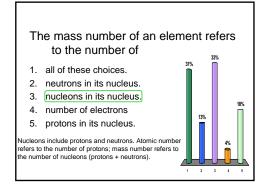


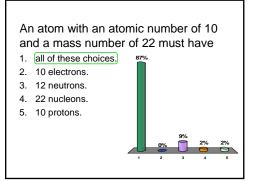






The atomic number of an element matches the number of 1. electrons in an ion of the same 2. electrons plus protons in an atom 3. neutrons in the nucleus of an atom. 4. nucleons in the nucleus of an atom. 5. protons in the nucleus of an atom.

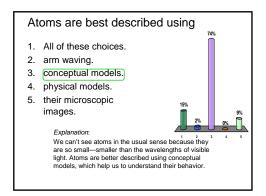


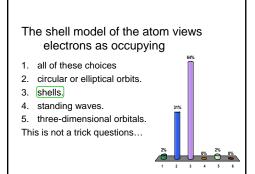


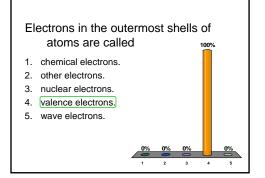
A nucleus with an atomic number of 30 and a mass number of 65 must have

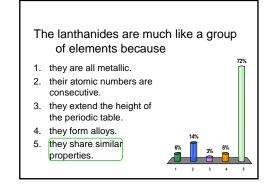
- 1 all of these choices
- 2. 30 neutrons.
- 35 neutrons.
- 4. 65 neutrons.
- 5. 95 nucleons

Be sure to distinguish between neutron and nucleon. A neutron is a nucleon, as is a proton.









Helium, He, is a nonmetallic gas and the second element in the periodic table. Rather than being placed adjacent to hydrogen, H, however, helium is placed on the far right of the table. Why? 1. Hydrogen and helium repel one another

- 2. The sizes of their atoms are vastly
- 3. They come from different sources
- 4. Helium is most similar to other group 18 elements
- 5. None of these choices