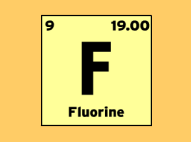
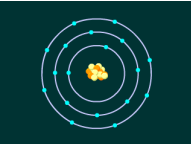


1.  Fluorine has an atomic number of 9. What can you conclude about an atom of fluorine from this fact?

- A. It has nine protons
- B. It weighs nine grams
- C. It has nine electron shells
- D. It has a boiling point of 9 degrees Celsius

2. In what part of an atom can protons be found?

- A. Inside the electrons
- B. Inside the neutrons
- C. Inside the atomic nucleus
- D. Inside the electron shells

3.  Since atoms are very small, what can you infer about atomic mass units?

- A. One atomic mass unit is equivalent to a gram
- B. One atomic mass unit is much lighter than a gram
- C. One atomic mass unit is much heavier than a gram
- D. Atomic mass units and grams measure different properties

4. An atom of fluorine has an atomic mass of 19 u. Keeping in mind that its atomic number is 9, what can you infer about this atom?

- A. It has nine neutrons
- B. It has ten electrons
- C. It has ten neutrons
- D. It has ten protons

5. If a sulfur atom has 16 protons, 16 electrons, and 16 neutrons, its atomic mass is:

- A. 16
- B. 32
- C. 48
- D. 64

6. If a hydrogen atom has 1 proton, 1 electron, and 1 neutron, its atomic number is:

- A. 1
- B. 2
- C. 3
- D. 4

7. On the periodic table, how is atomic mass represented?

- A. As an average of the mass of different isotopes
- B. As the exact mass of every atom
- C. As the mass of the most common isotope
- D. As the masses of all the protons added together

8. What do carbon-12 and carbon-14 have in common?

- A. They have the same number of protons
- B. They have the same number of neutrons
- C. They have the same atomic mass
- D. They have the same atomic weight

9. How is carbon-12 different from carbon-14?

- A. They have a different number of protons
- B. They have a different number of electrons
- C. They have a different number of neutrons
- D. They are different elements

10. What can you conclude about carbon-14 from its name?

- A. It has 14 electrons
- B. It has 14 neutrons
- C. It has 14 protons
- D. It has an atomic mass of 14 u