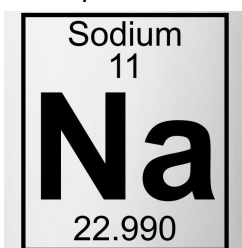


Please answer the following questions:

1. An oxygen atom contains eight protons, how many electrons does it have?
2. What is the atomic number of the element Sodium (Na)?
3. The element iron (Fe) has an atomic number of 26. How many protons does an atom of iron contain?
4. The element scandium (Sc) contains 21 protons and 24 neutrons in its atom. What is its atomic number?
5. The element scandium (Sc) contains 21 protons and 24 neutrons in its atom. What is its mass number?
6. An atom has a mass number of 15, and it contains 8 protons, how many neutrons does it have?
7. Unknown element X has a mass number of 55 and contains 30 neutrons in its atoms. Identify element X.
8. The atomic weight of an element is the average weight of mixture of two or more _____?
9. In the picture below, what does 22.990 represent?



10. All atomic weights can be expressed in atomic mass unit (amu). 12 amu would equal the mass of a single ^{12}C atom. One amu equal to what fraction of a single ^{12}C atom?