

**1. An element with a mass number of 11 and an atomic number of 5 has how many neutrons?**

- 11
- 5
- 6
- 16

**2. An atom has 10 protons, 15 neutrons and 10 electrons what is its mass number.**

- 20
- 10
- 5
- 25

**3. Most of the mass of an atom is contained here.**

- electron orbitals
- nucleus
- shells
- atomic

**4. How many electrons are in a neutral atom of sodium?**

- 11
- 12
- 23
- 46

**5. Where can you find most of an atom's mass?**

- In the electron cloud
- in the orbitals around the nucleus
- in the nucleus
- in a doctor's office

**6. The subatomic particles of an atom include all of the following EXCEPT**

- protons
- elements
- neutrons
- electrons

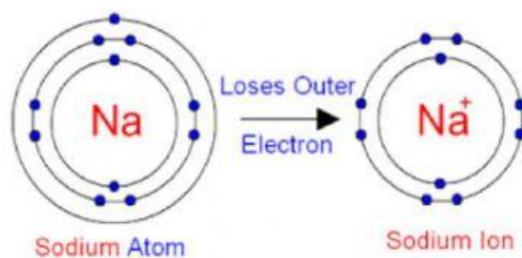
**7. What does the atomic number of an element represent?**

- number of protons in an atom
- number of neutrons in an atom
- mass of an atom
- charge of an atom

8. The nucleus of an atom contains 12 protons and 13 neutrons. If the atom is electrically neutral, how many electrons does this atom have?

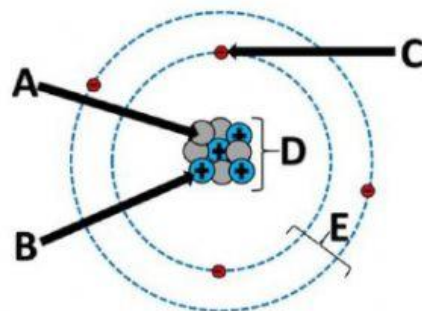
- 13
- 12
- 14
- 20

9. When there are more protons than electrons in an atom it is a...



- positive ion.
- negative ion.
- unstable isotope.
- neutral atom.

10. Which letter represents a proton?



- A
- B
- C
- D