

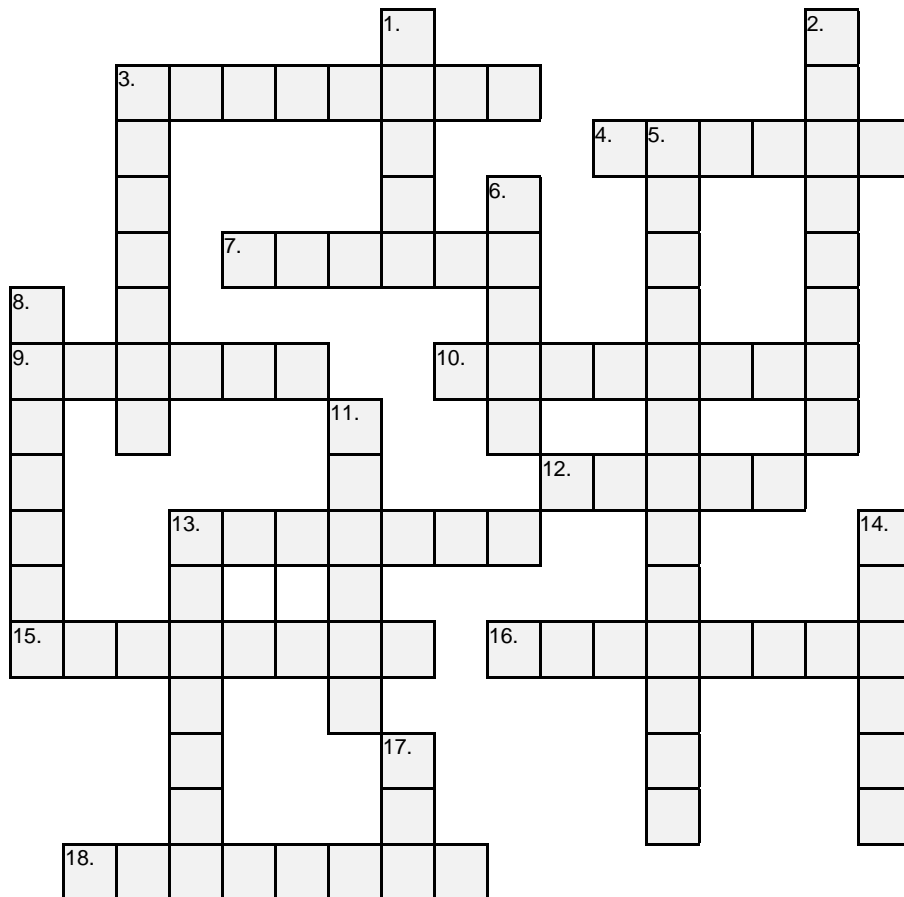
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Name: ()

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Crossword on Atomic Structure



Clues Across

3. Electrons carry a charge (8).
4. The number of electron shells an atom has equals the element's number in the Periodic Table (6).
7. Particle with a charge of +1 and mass of 1 a.m.u. (6).
9. The number of protons in the nucleus of an atom is the same as the element's number (6).
10. Protons carry a charge (8).
12. The number of electrons in the outer shell of an atom equals the element's number in the Periodic Table (5).
13. Neutrons are because they carry no charge (7).
15. Particle with a charge of -1 and a mass of $1/1836$ a.m.u. (8).
16. The atomic mass of chlorine is 35.5 (8).
18. A positively charged electron is called a (8).

Clues Down

1. The second electron shell can hold a maximum number of electrons (5).
2. Atoms with the same number of protons but a different number of neutrons are called (8).
3. Particle with a charge of 0 and a mass of 1 a.m.u. (7).
5. Positively and negatively charged particles are drawn towards each other by an force of attraction (13).
6. A negatively charged ion is called an (5).
8. The outermost electron shell is called the shell (7).
11. A positively charged ion is called a (6).
13. There is a small, dense at the centre of every atom (7).
14. Electrons orbit around the atom in electron (6).
17. The first (inner) electron shell can hold a maximum number of electrons (3).