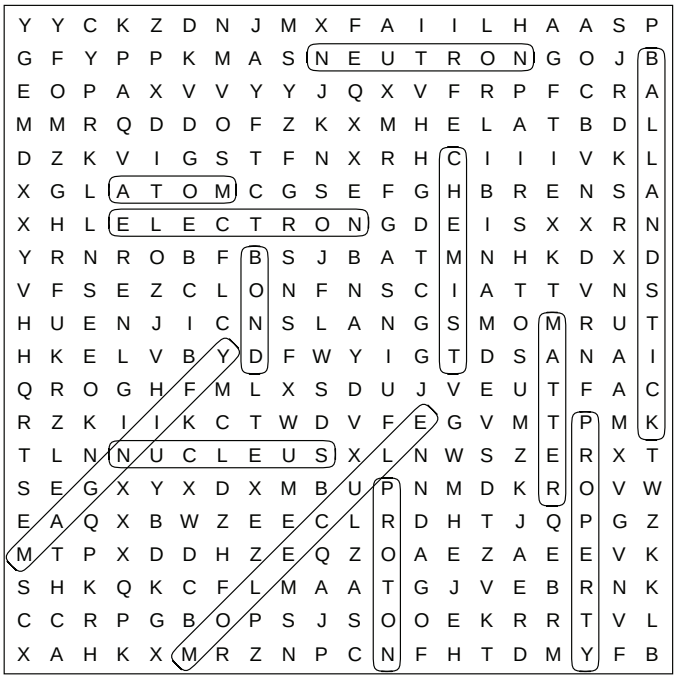
11. True
12. b, c, d
13. a-nucleus, b-electron shells
14. protons, neutrons and electrons
15. protons and neutrons
16. False
17. False. They are not the same type of atom because a type of atom is defined by the number of protons it has; if two atoms have a different number of protons, then they aren't the same atom. Atom 1 has 7 protons and Atom 2 has 6 protons; therefore, they are different types of atoms.

WORD SEARCH



CLASS 8 Chemistry: Matter and How It's Made, Atoms

1. a, b, d, e
2. a-molecule, b-atom, c-atom, d-molecule
3. True
4. False
5. False
6. b, c, d, e
7. True
8. Nitrogen
9. b
10. True
11. c, e
12. b, d

CROSSWORD

Across
2. Atom
4. Chemist
8. Electron
10. Element
11. Nucleus
12. Microscope
13. Proton

Down
1. Matter
3. Ball and Stick
5. Molecule
6. Chemistry
7. Bond
9. Neutron

CLASS 9 Chemistry: Matter and How It's Made, Atoms and Charge

1. No, the diagram is not labeled correctly, and there are two errors. Letter 'b' Should be a neutron and 'c' should be the nucleus.
2. Protons and neutrons are about the same size and electrons are smaller.
3. True
4. False
5. b, d, e
6. a
7. b
8. c
9. The proton and electron are labeled with the proper charge abbreviation.
10. That something is charged positively.
11. That something is charged negatively.
12. True
13. True
14. They attract each other.
15. e
16. Attract

CLASS 10 Chemistry: Matter and How It's Made, Atoms and Why They Don't Fly Apart

1. A molecule
2. a, b, c, e, f
3. The nucleus (inside the circle) is positively charged and the electron shells (the light gray shaded area) is negatively charged.
4. c
5. Neutrons
6. a, b, c, g, h