

# 8th Grade Science Crossword

## Across

3. A cloudlike group of electrons

5. Any one of various forms in which the atoms of a chemical element can occur

8. The total number of protons and neutrons in a nucleus

10. An element or substance that is not a metal

11. A substance consisting of atoms which all have the same number of protons

12. The time required for a quantity to reduce to half its initial value

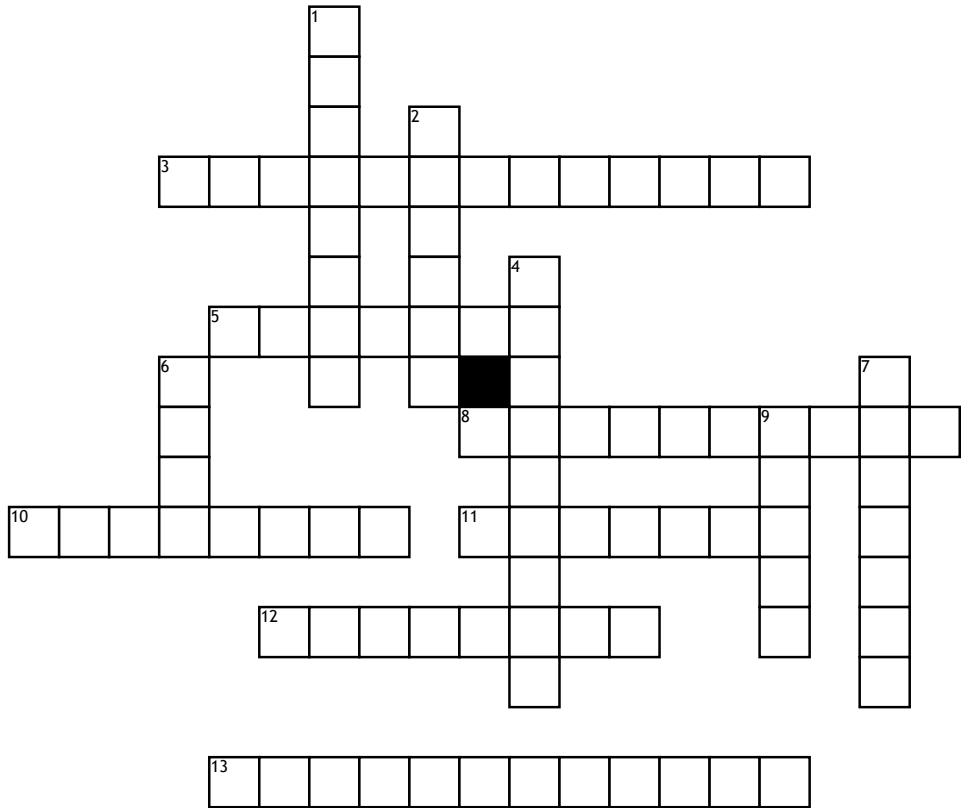
13. Number of protons in the nucleus of an atom

## Down

1. A stable subatomic particle

2. A very small particle of matter that is part of the nucleus of an atom and that has a positive electrical charge

4. A nonmetal that can combine with a metal to form an alloy



6. The smallest particle of a substance that can exist by itself or be combined with other atoms to form a molecule

7. A subatomic particle of about the same mass as a proton but without an electric charge

9. A solid material that is typically hard, shiny, malleable, fusible, and ductile, with good electrical and thermal conductivity

