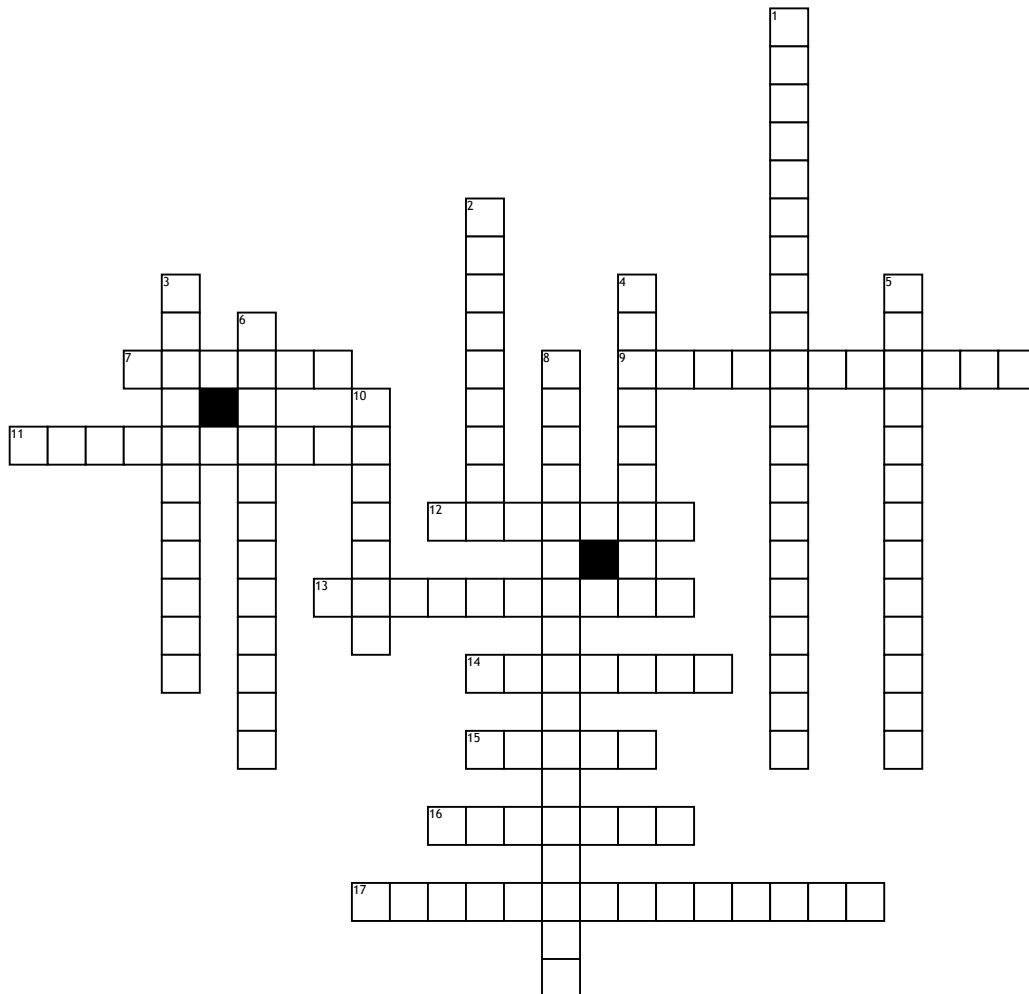


# Atoms-The Building Block of Matter



## Across

7. positively charged  
9. each hold a certain number of electrons  
11. sum of protons and neutrons in the nucleus  
12. all are identical  
13. average mass  
14. Two of the three main subatomic particles are found in the...

15. all nuclear particles are thought to be made up of groups of three  
16. can be determined by subtracting the atomic number from the mass number  
17. mass measured in the special units

## Down

1. keeps electrons in orbit around nucleus

2. key to the power of the sun  
3. opposite the electromagnetic force between protons  
4. negative charged particles  
5. described to be where electrons go around nucleus  
6. identifies the element  
8. 200 different kinds  
10. weakest force in nature

## Word Bank

mass number  
electromagnetic force  
atomic number  
gravity  
subatomic particle

atomic mass unit  
atomic mass  
nucleus  
electron cloud

isotope  
weak force  
electrons  
neutron

strong force  
energy level  
proton  
quark