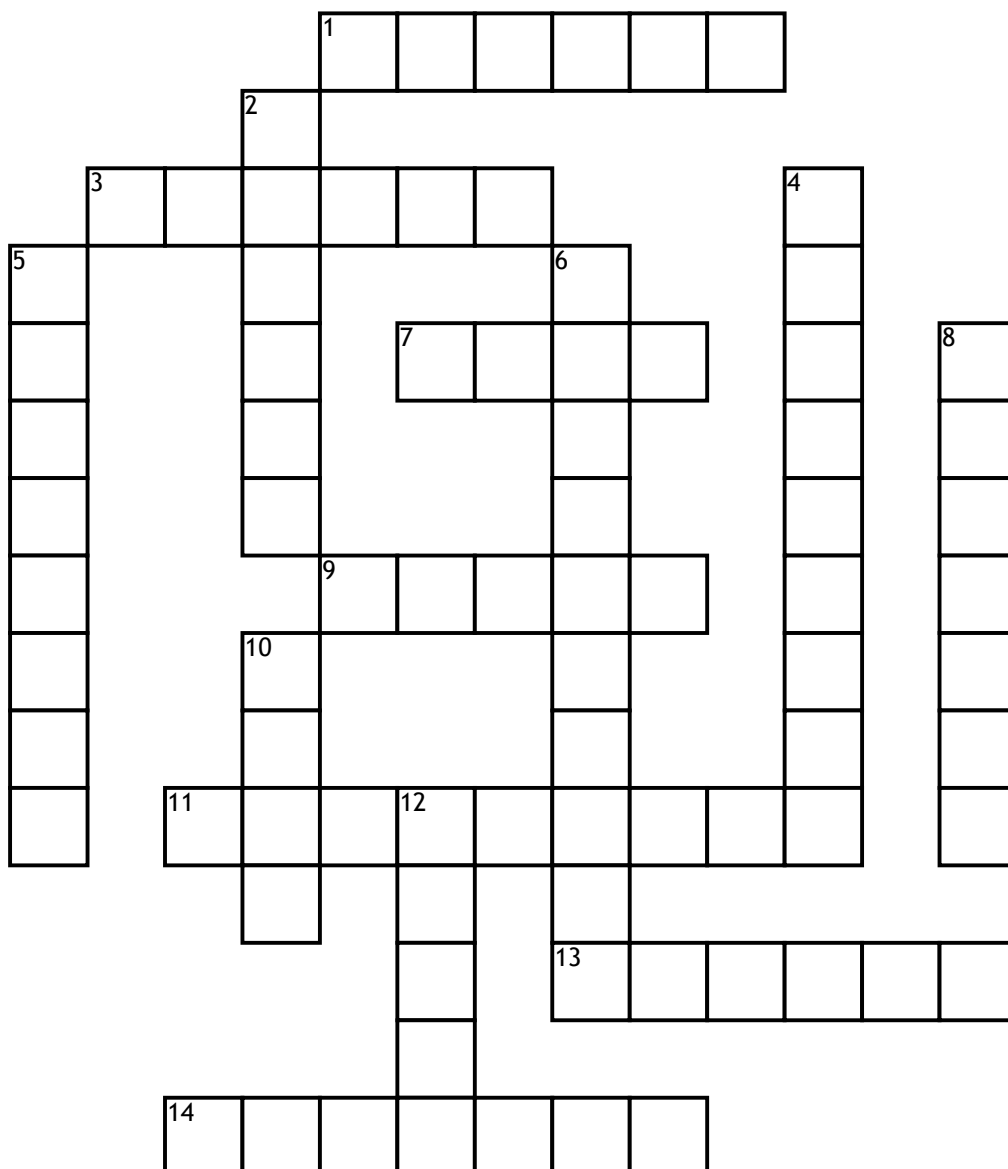


Valence Electrons Puzzle



Across

1. Which element has 27 protons?
3. Which element has a full outer level with only 2 electrons?
7. Which element has 8 valence electrons and 2 energy levels?
9. Elements like to have 8 valence electrons. This is called an _____

11. Which Alkali metal has 4 energy levels?
13. Which element has 3 energy levels and 1 valence electron?
14. The element with 92 protons is called _____.

Down

2. The _____ metals have 1 valence electron?
4. Which element has 2 valence electrons and 3 energy levels?

5. Which chemical family has 7 valence electrons?
6. Which family is not reactive because they have eight valence electrons?
8. Hg is the chemical symbol for....
10. Fluorine has 10 neutrons and so does _____
12. Which element has 18 protons and 20 neutrons?