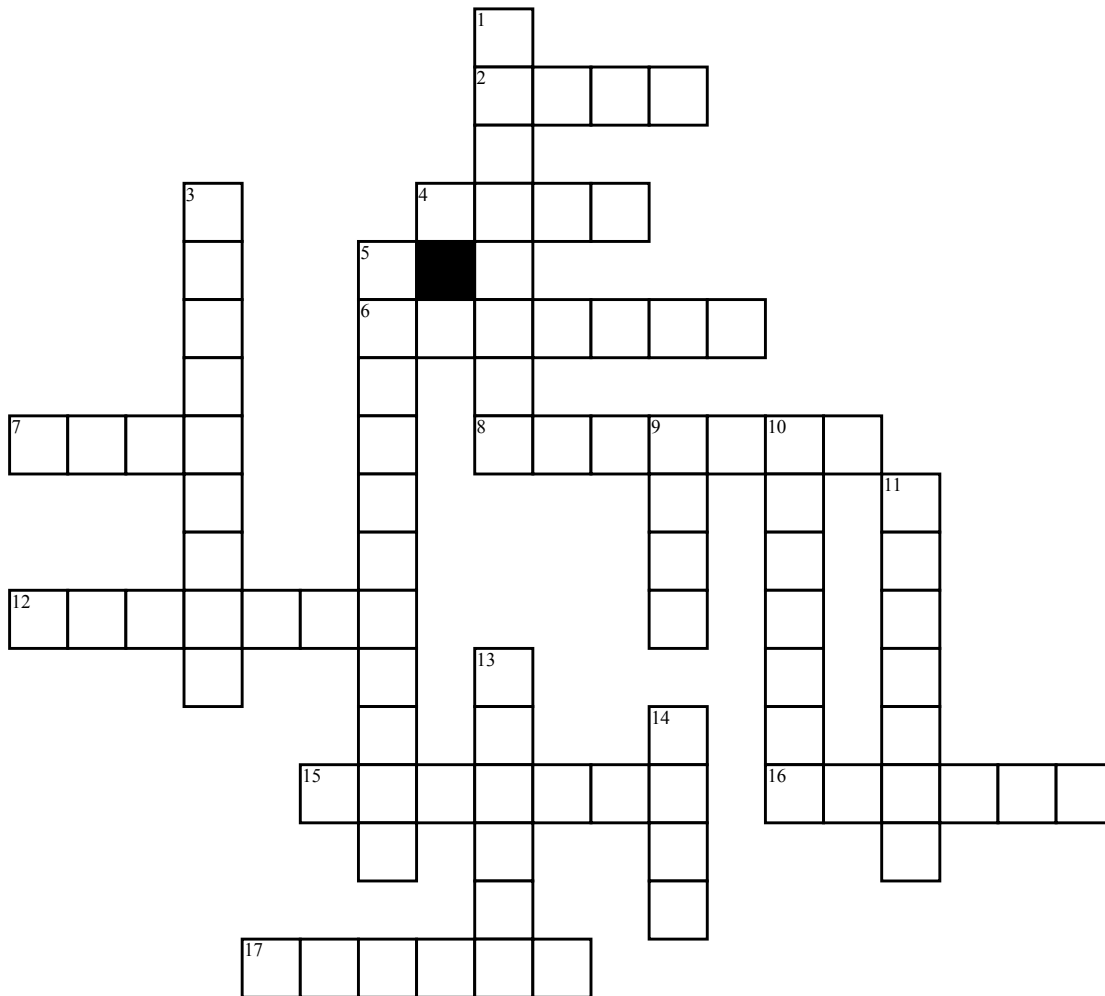


Name: _____

chemistry



Across

- 2. neutron, a neutrally charged
- 4. proton, a positively charged
- 6. mass number, the total number of protons and neutrons in the
- 7. spectroscopy, identifying chemicals by studying the light they
- 8. nuclide, a general term for any isotope of any
- 12. physical constant, a quantity in nature that never

15. atom, the smallest unit of an element that maintains the properties of that

16. cathode, the metal disk connected to the negative terminal of the voltage

17. isotope, atoms of the same element that have different

Down

1. ground state, the lowest energy of a

3. all Atoms, have equal numbers of protons and

5. democritus, thought the atom was the basic particle and

9. Thompson, discovered electrons and found that the electron has a very large charge for its tiny

10. Radioactive decay, the spontaneous breakdown of an atom's

11. atomic number, the number of protons in the

13. molar mass, the mass of one mol of the substance, written in

14. electron, a negatively charged