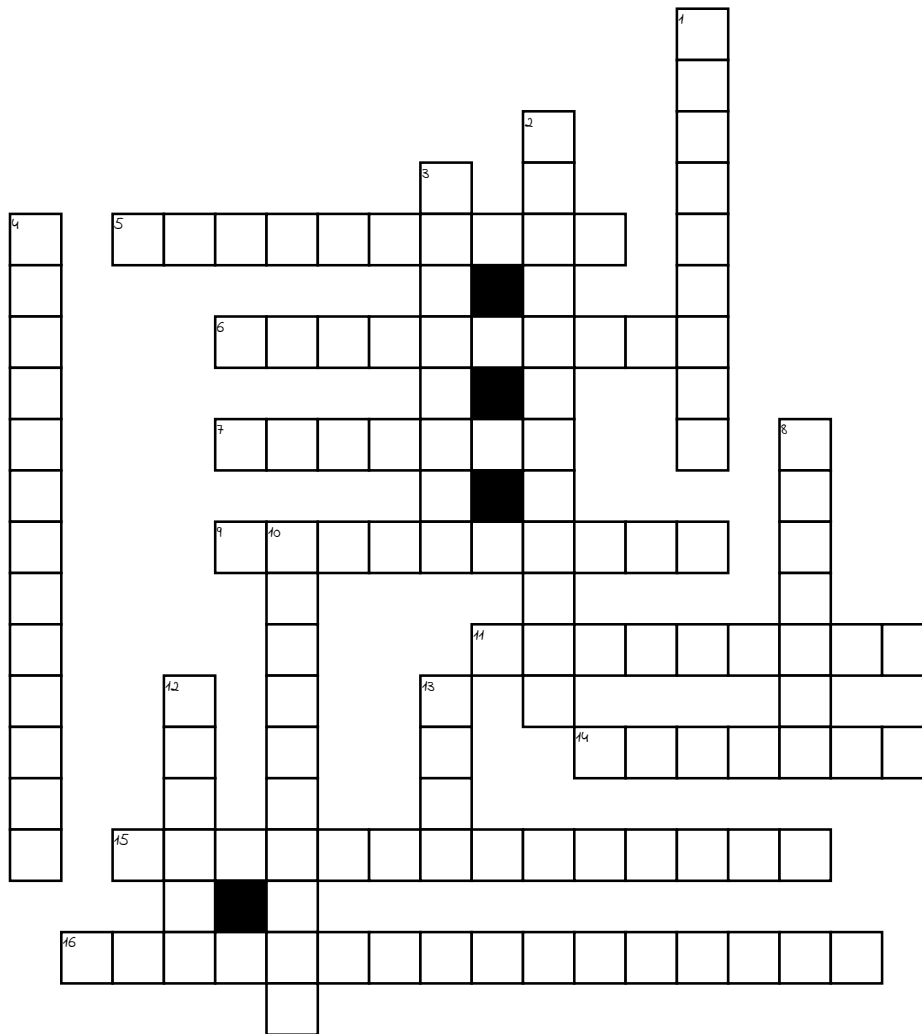


Atoms



Across

5. 1803; Teacher at a Quaker school
6. 460 BC; proposed that all things were made of "atomos"
7. Has no charge
9. The sum of the numbers of protons and neutrons in the nucleus of an atom
11. Call this the "planetary model"

14. Made up of protons and neutrons

15. A unit of mass that describes the mass of an atom or molecule

16. Using his gold foil experiment

Down

1. Discovered electrons

2. The number of protons in the nucleus of an atom

3. Found in shells or orbitals that surround the nucleus of an atom

4. The system of electrons surrounding the nucleus of an atom

8. An atom that has the same number of protons or the same atomic number

10. The mass of an atom expressed in atomic mass unit

12. Has positive charge

13. Cannot be divided into smaller parts

Word Bank

Neutron

J.J Thomson

Atomic Number

Mass Number

Atom

Democritus

Atomic Mass Unit

Isotope

Electron Cloud

Neils Bohr

Atomic Mass

Ernest Rutherford

Nucleus

John Dalton

Electron

Proton