

Scientist	Discovery/Accomplishment	Memory Tool
Avagadro	Discovery of the mole, $6.022 \times 10^{23}$ atoms	
Democratus	Matter is made of particles	
Dalton	Atomic theory of matter	
Millikan	Size of the electron	
Thompson	Discovery of the electron	
Rutherford	Discovery of the nucleus and that atom is mostly empty space	
Bohr	Planetary model of the atom	
Mendeleev	Designed the first periodic table by atomic mass	
Moseley	Designed the current periodic table based on periodic law (increasing atomic #)	
Planck	Quantum nature of energy	

Einstein	Photon, photo electric effect	
Compton	Proved photon has mass by colliding it with an electron	
DeBroglie	Wave theory	
Heisenberg	Uncertainty Principle	
Pauli Principle	Two electrons sharing an orbital must have opposite spins	
Hund's Rule	Orbitals of equal energy are each occupied by one electron before a second electron can join	
LeChatlier	If a system at equilibrium is subjected to a stress, the equilibrium will shift in the direction that will relieve the stress	
Boyles	Determined the relationship between gas pressure and volume	
Charles	Determined the relationship between gas temperature and volume	
Dalton's Law of Partial Pressures	The total pressure of a gas mixture is the sum of all partial pressures	