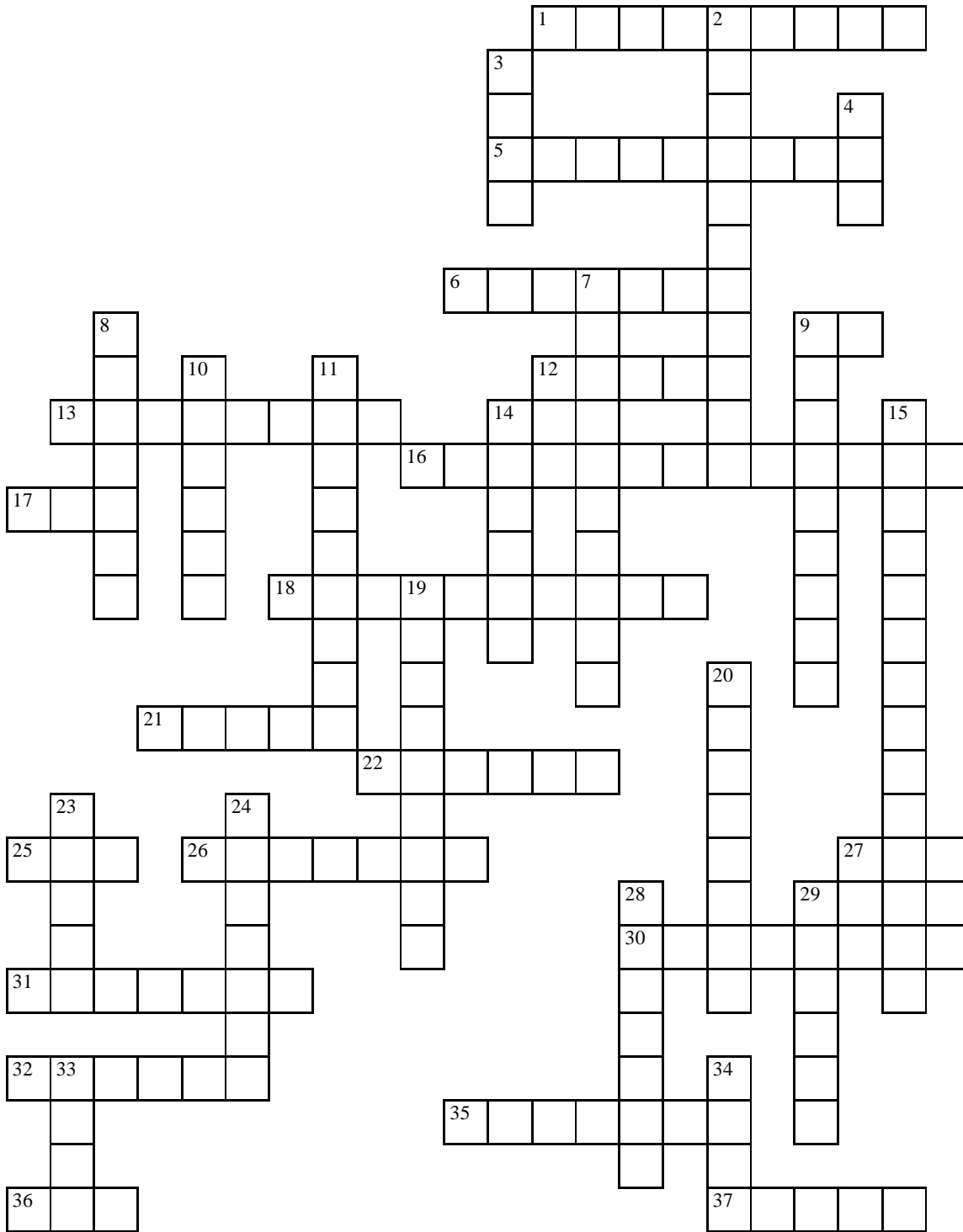


Chemistry and Biochemistry



ACROSS

- 1 Provides no nutritive value for humans; type of plant polysaccharide
- 5 Type of fat that is solid at room temp
- 6 A base would have a pH of _____ than 7.0

DOWN

- 2 Type of fat that is liquid at room temp
- 3 Substance that generates hydroxide ions in water
- 4 Commonly called the good cholesterol

- 9 Scale used to measure strength of an acid
- 12 Number of electrons needed to fill second and subsequent shells
- 13 Type of bond in which atoms share electrons
- 16 Organic compounds used for energy in living systems
- 17 Used to carry amino acids, translate DNA, and transcribe
- 18 Type of reaction used to break down complex substrates
- 21 Type of bond in which atoms completely give up or take electrons
- 22 Principle extracellular cation
- 25 Contains genetic code
- 26 Type of compound that is composed of mostly carbon, hydrogen, and oxygen
- 27 Molecule used by living systems to store potential energy
- 30 Negatively charged subatomic particle that orbits nucleus
- 31 Specialized proteins that function as biological catalysts
- 32 Ion with positive charge
- 35 Most important monosaccharide to all living organisms
- 36 Commonly called the bad cholesterol
- 37 PH of a completely neutral substance; spell out the number
- 7 Building block of proteins (no space between words)
- 8 Location of body with lowest pH
- 9 Principle intracellular cation
- 10 Most abundant element in living organisms
- 11 Types of compound that includes salts and electrolytes
- 14 Positively charged subatomic particle
- 15 Type of reaction that results in production of salt and water
- 19 Type of reaction that builds more complex molecules from simpler molecules
- 20 Animal storage form of glucose
- 23 Ion with negative charge
- 24 Used for many cellular processes
- 28 Subatomic particle without a charge
- 29 Plant storage form of glucose
- 33 Substance that generates hydrogen ions in water
- 34 An acid would have a pH of _____ than 7.0

Note: For a fee, you can use Crossword Weaver to print a nice copy of this puzzle (one that doesn't look like a web page). You can check it out for free by downloading the demo from www.CrosswordWeaver.com.