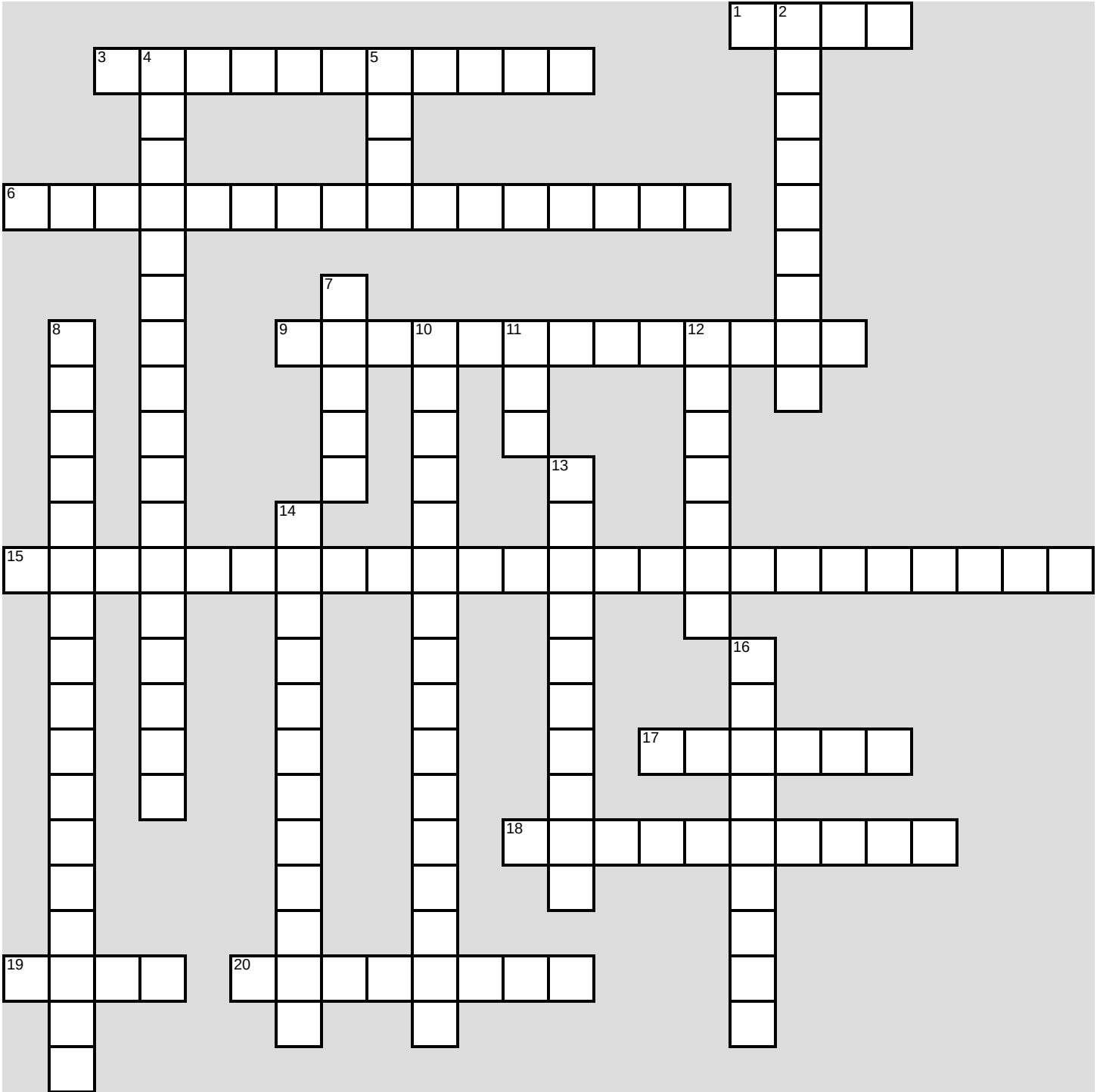


# #64



## Across

- 1 A basic component of an electronic device
- 3 Circuit Cellar published his book about a commonly used computer programming language in 2010
- 6 National Semiconductor's LM385 series is an example of an adjustable one. [three words]
- 9 A phenomenon that occurs when a vehicle sounding a siren approaches, passes, and recedes from an observer [two words]
- 15 A method of keeping the world in sync [three words]
- 17 American electrical engineer (1937–1991); IC pioneer
- 18 A device that compares two voltages or currents and switches its output to indicate which is larger
- 19 Hint: acronym. Unscramble the following:  
IETEORGSEPSMNYMRLTIAEAT
- 20 Equals 1/10,000,000,000 m

## Down

- 2 i.e., "a circuit cellar"
- 4 A thermodynamic process in which the temperature of a system remains constant [two words]
- 5 Organization formed in 1934 by bridge engineer David Steinman
- 7 Symbolized by 10th letter of the alphabet
- 8 A device that produces electronic signals [two words]
- 10 Occurs when crystals acquire a charge after being compressed, twisted, or distorted (e.g., quartz)
- 11 Acronym; common cause of electronic data corruption and subject of Novacek's December 2011 Circuit Cellar article [two words]
- 12 Circuit Cellar interviewee who participated in Motorola's IEEE-802 MAC subcommittee on token-passing access control methods. [two words]
- 13 Occurs when an atom or molecule gains either an and positive or negative charge
- 14 Matt Oppenheim's article, "Audio-Enhanced Touch Sensors" (Circuit Cellar, May 2012), said one of the stumbling blocks of using this for data collection is that it will try to recharge itself whenever you connect it to a USB port. [two words]
- 16 Circuitry that regulates or provides powers to a light source [two words]