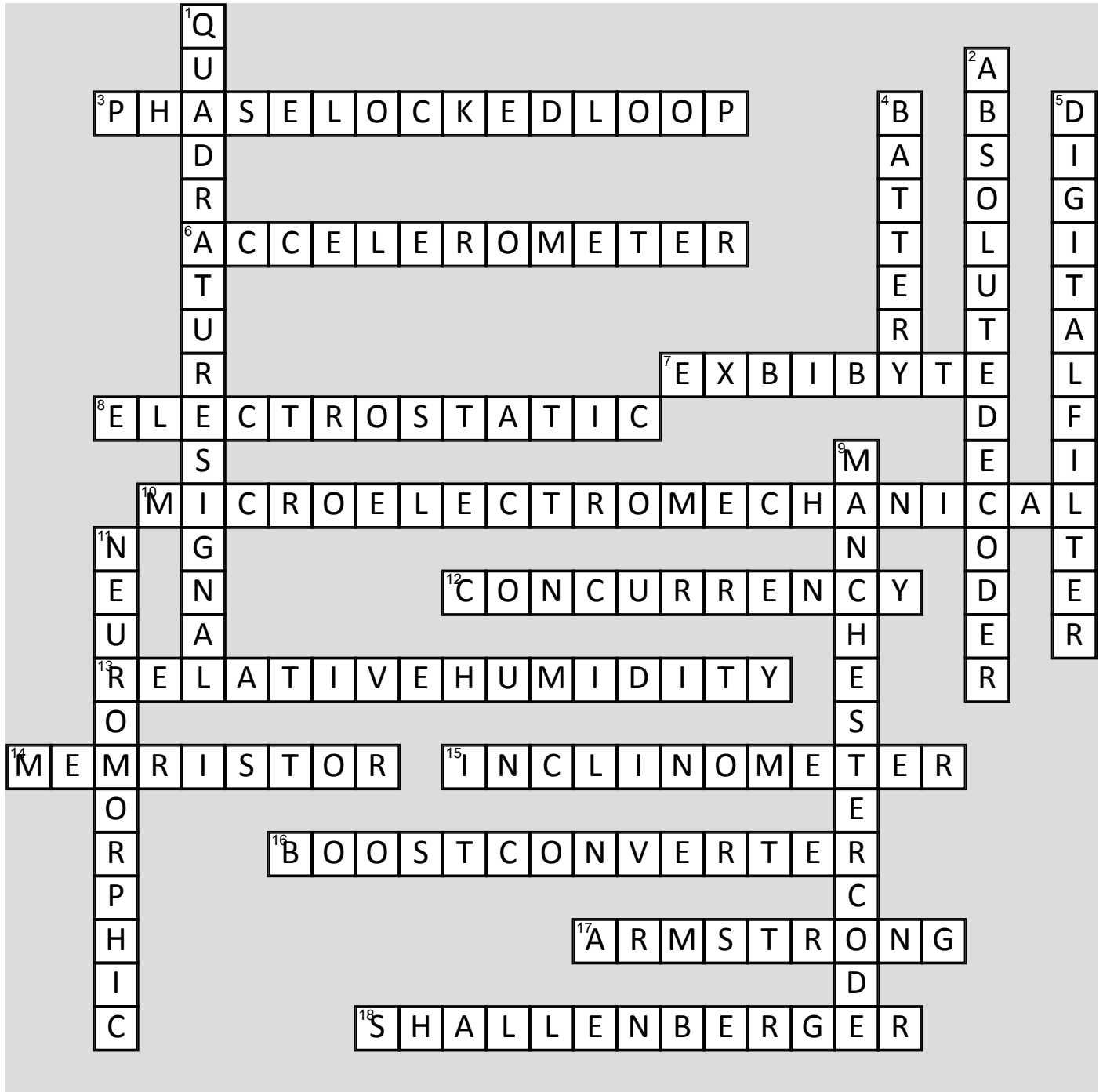


#67



Across

- 3 This control system generates an output frequency, which can be either higher or lower than the input, based on a reference input clock [three words]
- 6 An instrument for measuring acceleration
- 7 1,152,921,504,606,846,976 bytes
- 8 This type of cell consists of a thin plastic film sandwiched between two metal stators
- 10 This type of system's size ranges from 20 μm to 1 mm
- 12 The ability to execute more than one program or task simultaneously.
- 13 Amount of water vapor in the atmosphere expressed as a percentage of the total amount the air can hold at the current temperature [two words]
- 14 The functional equivalent of a synapse
- 15 Used to measure tilt
- 16 Its output voltage is greater than its input voltage [two words]
- 17 American engineer (1890—1954) who invented the regenerative circuit, the super-regenerative circuit, the superheterodyne receiver, and modern frequency modulation (FM) radio transmission
- 18 American engineer (1860—1898) who invented an induction meter to measure alternating current

Down

- 1 Can be produced using two sensors spaced at odd half-slot multiples around a single track [two words]
- 2 Because these devices have only one track per bit of resolution, they can require large diameters, which gives them a nonvolatile and unique output for each position [two words]
- 4 Italian physicist Alessandro Volta (1745—1827) is credited with inventing the first one of these in the 1800s
- 5 A piece of software, firmware, or logic circuit that takes a digital data flow as an input and provides a filtered version of this signal on its output [two words]
- 9 A low-to-high transition means "0" and a high-to-low transition means "1" [two words]
- 11 The use of very-large-scale integration (VLSI) systems containing electronic analog