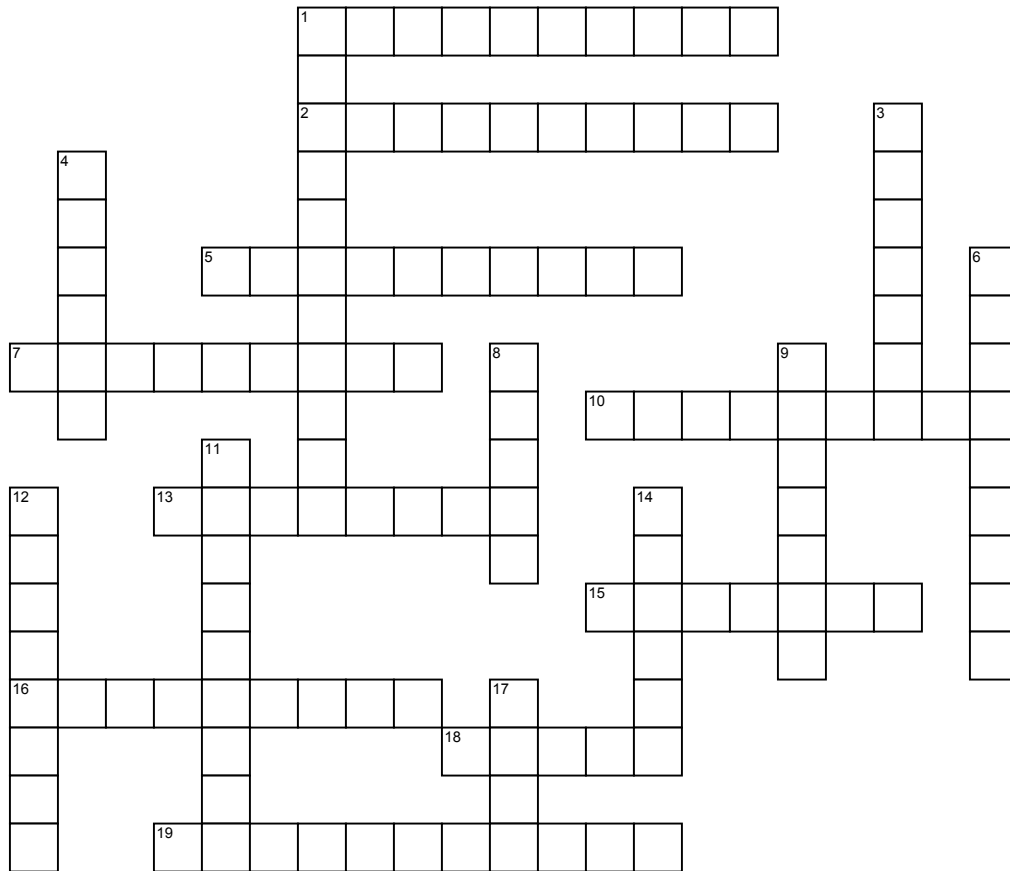


Charging System



Puzzle by Tony and Lara Martin. www.CrosswordWeaver.com

ACROSS

- 1 Electronic component used to turn field current off and on
- 2 Generators convert _____ energy into electrical energy
- 5 1 _____ = 746 watts
- 7 The voltage _____ controls the current flowing in the field
- 10 SAE term for alternator
- 13 Voltage waveform induced in each stator winding
- 15 DC voltage source
- 16 Generators work through the principle of electromagnetic _____
- 18 Type of diode used for voltage regulation
- 19 AC: _____ current

DOWN

- 1 Voltage regulators will increase charging voltage as _____ decreases
- 3 Field _____ determines generator output
- 4 Used to convert AC to DC
- 6 Generator output _____ as its speed of rotation increases
- 8 Number of windings in most stators
- 9 Field current flows through these
- 11 Winding inside the rotor
- 12 Lightweight, nonmagnetic material used in generator housings
- 14 Stationary windings in the generator
- 17 The generator's rotor is _____ driven