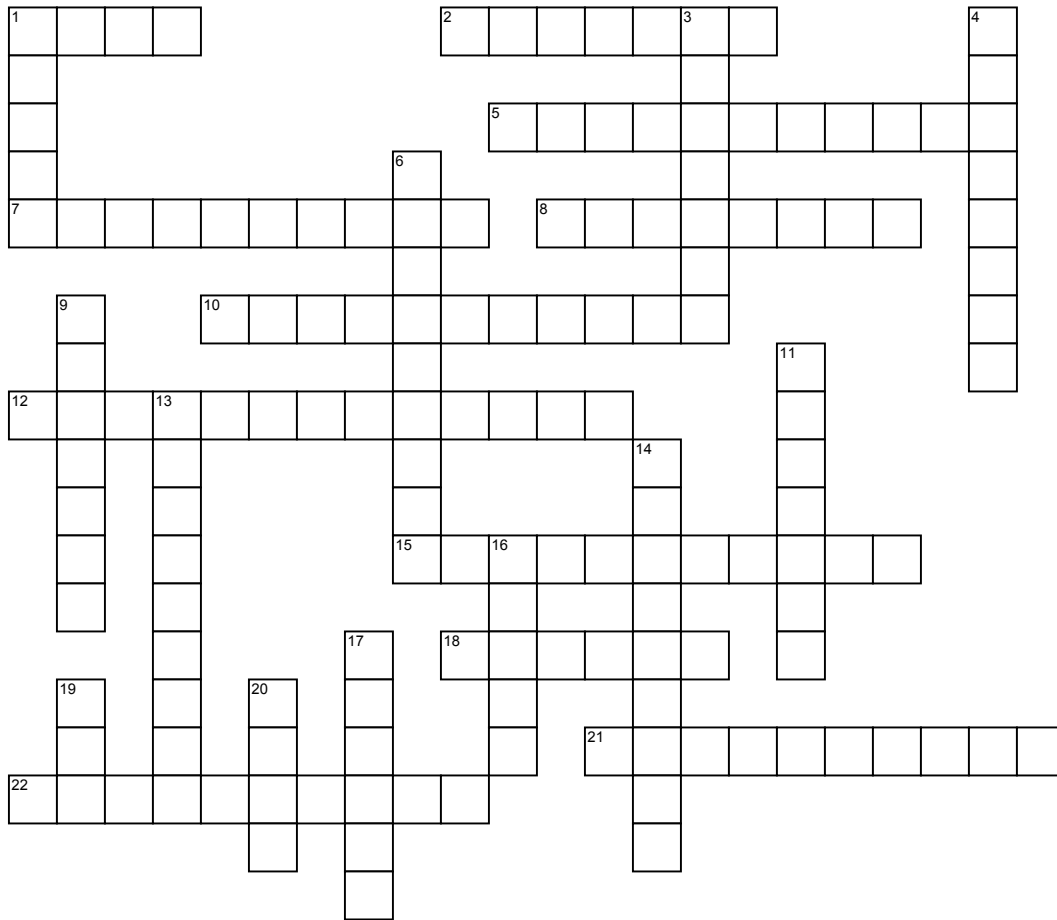


# Capacitance and Magnetism



Puzzle by Tony and Lara Martin. [www.CrosswordWeaver.com](http://www.CrosswordWeaver.com)

## ACROSS

- 1 Another word for magnetic field
- 2 A magnetic field can be observed using a \_\_\_\_\_.
- 5 Capacitors pass \_\_\_\_\_ current
- 7 Insulating material in a capacitor
- 8 Capacitance increases when capacitors are connected in \_\_\_\_\_.
- 10 The ability of an object to store an electrical charge
- 12 Magnet created by passing current through a wire
- 15 Magnetism creates \_\_\_\_\_
- 18 \_\_\_\_\_ induction: one coil induces a voltage in another
- 21 Resisting the passage of magnetic lines of force
- 22 One-millionth of a farad

## DOWN

- 1 Unit of capacitance
- 3 To increase capacitance, increase the \_\_\_\_\_ area of its plates
- 4 The charge on a plate with excess electrons
- 6 A capacitor will do this when connected to an external circuit
- 9 Difference in electrical potential
- 11 Flux \_\_\_\_\_: number of flux lines per unit of area
- 13 Another name for capacitor
- 14 Always magnetized
- 16 Magnetic force is \_\_\_\_\_ at both poles of a magnet
- 17 Capacitors store an electrical \_\_\_\_\_
- 19 Short for radio frequency interference
- 20 Type of iron that loses its magnetism easily