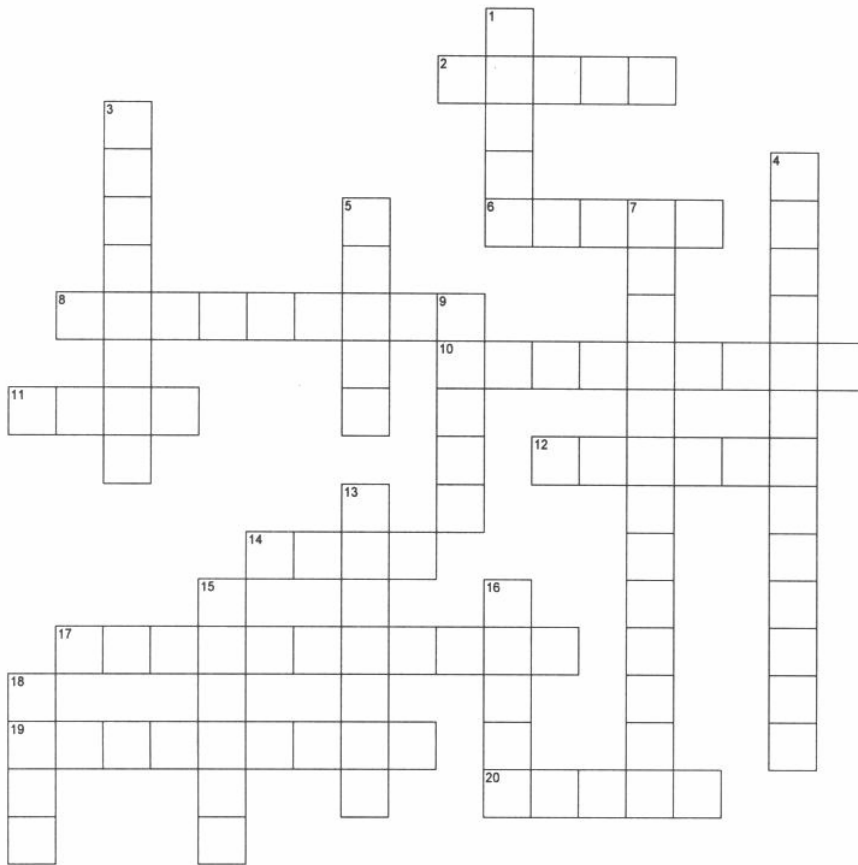


# Unit 10 Review



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## ACROSS

- 2 The earth's \_\_\_ magnetic pole is close to its south geographic pole
- 6 an alloy which makes a good permanent magnet
- 8 device that converts mechanical energy to electricity
- 10 The relative motion of a conductor and a

magnetic field is called electromagnetic \_\_\_.

- 11 the motion of electrons producing magnetism
- 12 The \_\_\_ Borealis is known as the Norther Lights.
- 14 most common ferromagnetic element
- 17 difference between geographic north

and the magnetic south pole of the earth

- 19 a natural compass used by the Chinese
- 20 Magnetic field lines are drawn toward the \_\_\_ pole of a magnet.

## DOWN

- 1 Strength of electromagnet depends on number of \_\_\_

of wire around iron core.

- 3 A \_\_\_ field is produced by moving charged particles.
- 4 Atoms of these elements contain many unpaired electrons.
- 5 a device that converts electric energy into mechanical energy
- 7 current-carrying wire wrapped around a soft iron core
- 9 \_\_\_-hand rules are used to determine the direction of magnetic fields, or current.
- 13 microscopic clusters of magnetically aligned atoms
- 15 the fourth state of matter, which exists on the sun's surface
- 16 Magnetic flux is greatest at the \_\_\_ of a bar magnet.
- 18 indicates the strength of a magnetic field