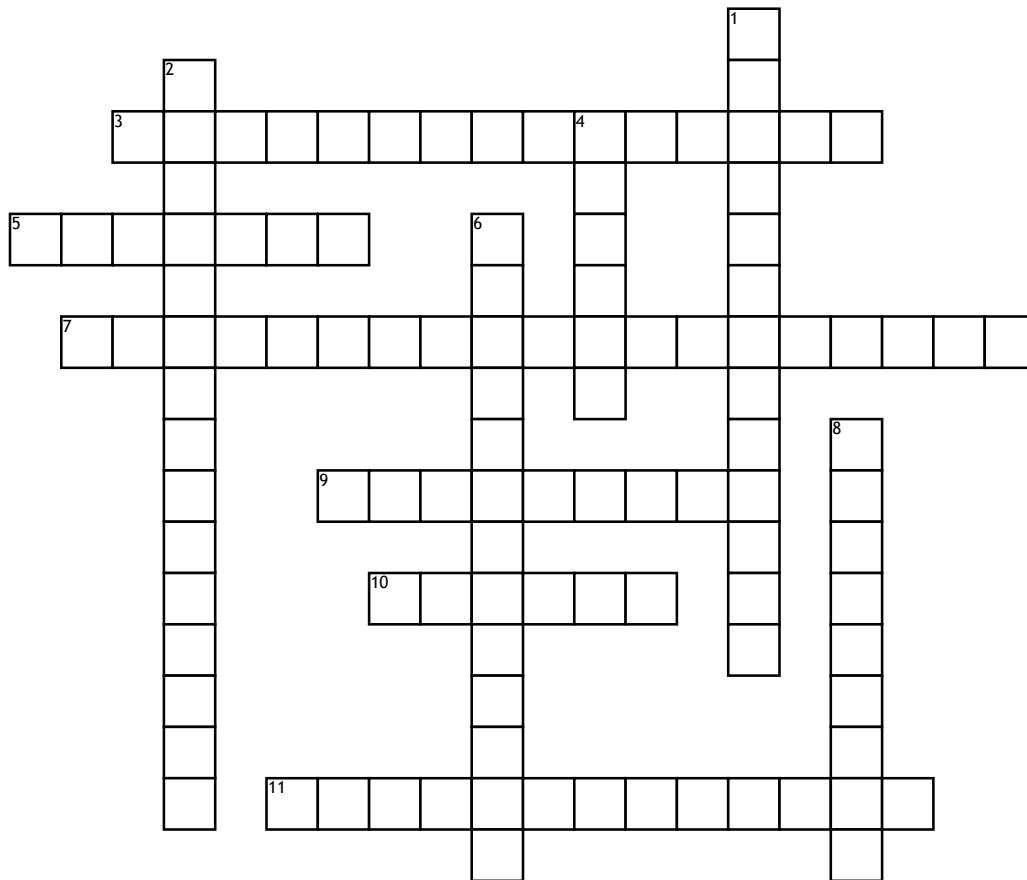


# Magnetic energy



## Across

3. A magnet that retains (keeps) its magnetism for a relatively long period of time, after the magnetizing force is removed

5. an instrument containing a magnetized pointer which shows the direction of magnetic north and bearings from it.

7. the magnetic field that surrounds earth

9. the end of the earth's axis of rotation, marking the northernmost point on the earth.

10. One of the 3 metals attracted to magnets, a silvery-white metal, the chemical element of atomic number 28.

11. An invisible area of force around a magnet consisting of lines of force in the shape of loops from pole to pole

## Down

1. energy which a body possesses by virtue of being in motion.

2. A magnet that loses all or most of its magnetic energy after a magnetizing force is removed

4. Any material that attracts other materials through invisible force fields caused by the motion of electrons

6. The 2 ends or faces of a magnet where the magnetic force field is the strongest

8. the southern end of the earth's axis, the southernmost point on earth.

## Word Bank

Nickel

South pole

Earth's Magnetic Field

Compass

Magnetic poles

Magnetic Field

permanent magnet

Magnet

Kinetic energy

North pole

Temporary magnet