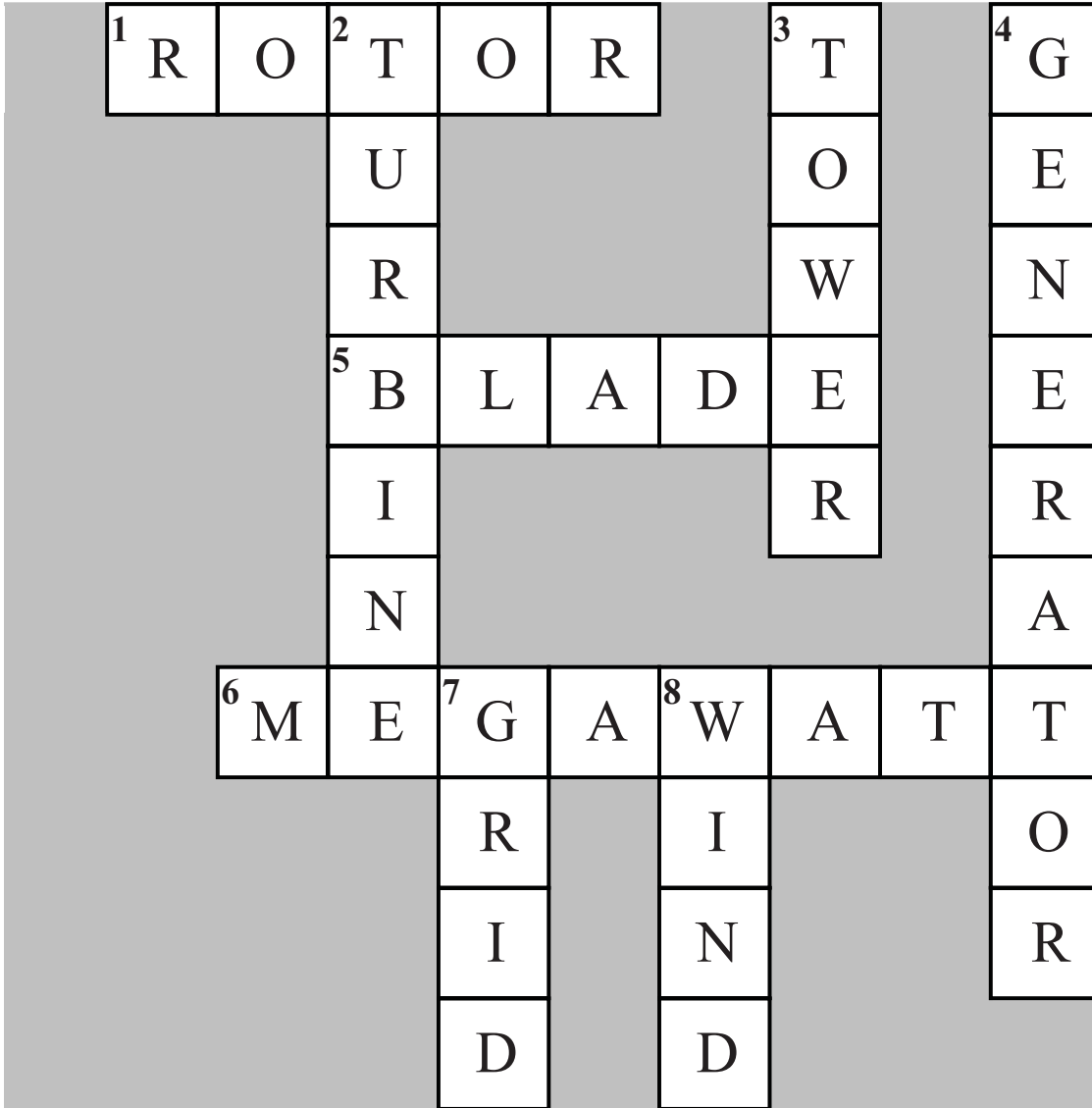




# Catch the Wind







# Catch the Wind



## Across

- 1 A unit of power equal to 1,000 kilowatts or 1 million watts.
- 3 The means to transfer of electric current from a power plant to a destination that could be hundreds of miles away. (2 words)
- 5 A bundle of wires that can carry electricity.
- 10 A device for converting the flow of air into mechanical motion used to produce electricity.
- 12 A resource such as solar energy or wood that is inexhaustible or can be replaced by new growth.
- 13 A gauge for recording the speed and direction of wind.
- 14 Made from tubular steel, concrete, or steel lattice, they raise the blades above the ground.
- 16 A network of power lines or pipelines used to move energy from its source to consumers.
- 17 It sits atop the tower and contains the gear box, low and high speed shafts, generator, and brake.

## Across

- 19 Air moving (sometimes with considerable force) from an area of high pressure to an area of low pressure.
- 20 A rotating part of an electrical or mechanical device. The blades and the hub together make up this assembly.

## Down

- 2 An electrical device by which alternating current of one voltage is changed to another voltage.
- 4 The central part of a rotor where the blades are inserted.
- 6 Most turbines have either two or three. Wind blows over them and causes them to "lift" and rotate.
- 7 An auxiliary power station where electrical current is converted and voltage is stepped up or down.
- 8 The base below the surface of the ground on which the tower rests.
- 9 A unit of power equal to 1000 watts.
- 11 The science dealing with electric charges and currents.
- 15 A machine that produces electricity by changing energy of motion into electrical energy.
- 18 Any source of usable power, such as fossil fuel, electricity, or solar radiation.

# Catch the Wind



ANSWER KEY.

