

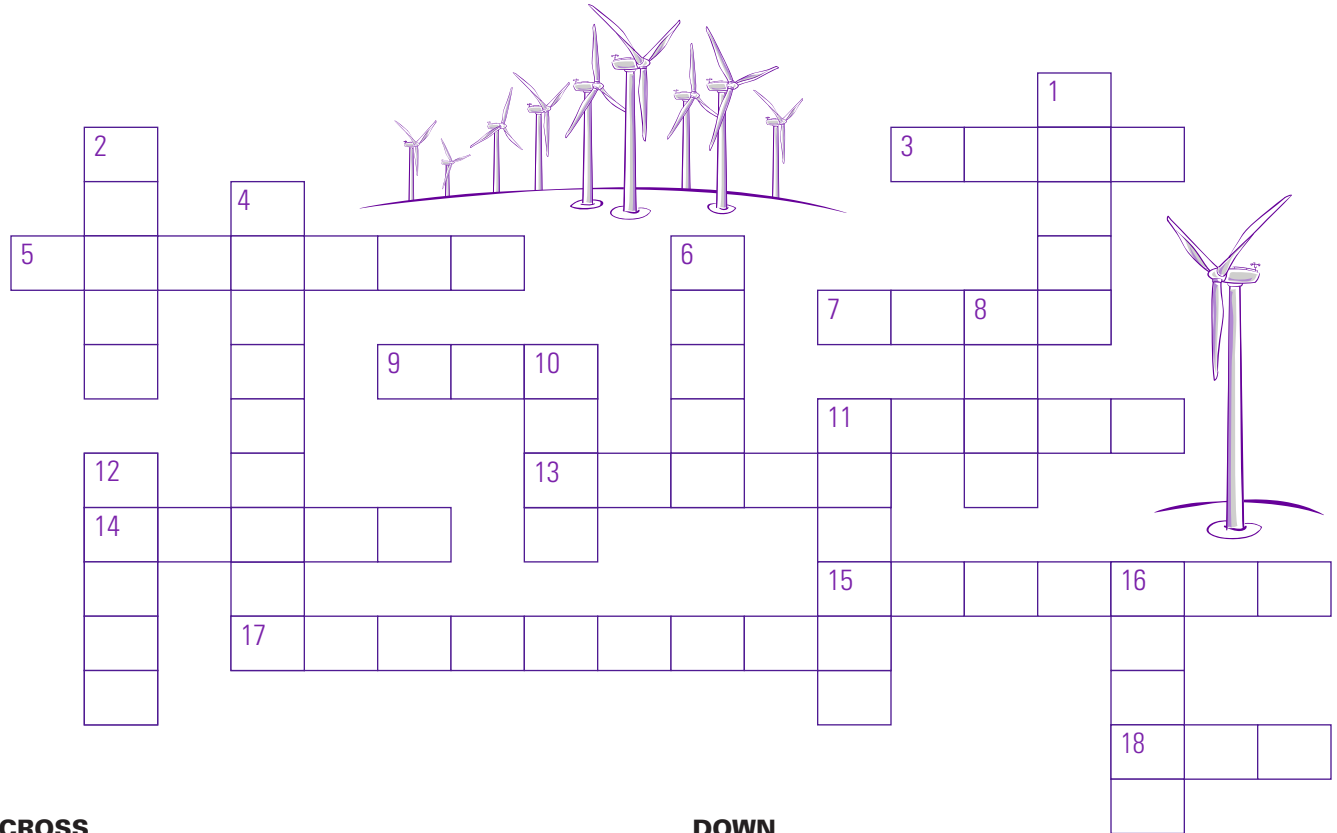
Wind Farm Crossword Puzzle

NAME _____

WHAT DO YOU KNOW ABOUT WIND POWER?

See how much you've learned about this fast-growing source of renewable energy!

Try this crossword puzzle. Use the definitions to find the words.



ACROSS

3. The many miles of transmission and distribution wires that connect power plants to the buildings and people that use electricity, is called the electrical _____.
5. The generator sits inside the _____, at the top of the wind turbine tower.
7. The aerodynamic force that allows planes to fly is called _____.
9. A system of gears called the _____ system, turns the wind turbine's nacelle so it faces into the wind.
11. New turbine designs can help to protect migrating _____.
13. A wind turbine's _____ attaches the spinning blades to the nacelle.
14. _____ refers to the angle of a turbine blade.
15. Wind is a form of _____ energy, because it is moving.
17. Wind and solar are examples of _____ energy sources.
18. Wind is moving _____.

DOWN

1. When a wind farm is turned on, we can instantly use its electricity in our homes, because electricity travels at the speed of _____.
2. Sometimes _____ have to be built before construction of the turbines can begin.
4. A _____ transforms the kinetic energy of the wind into electricity.
6. Turbine blades are attached to a rotating _____.
8. A group of wind turbines that are connected in one location is called a wind _____.
10. Energy is the ability to do _____.
11. If the wind is too strong, computers may use _____ to stop the spinning blades of a wind turbine, to protect it from damage.
12. A wind turbine uses instruments on top of the nacelle to measure the _____ and direction of the wind.
16. The state with the greatest potential for wind energy is _____.