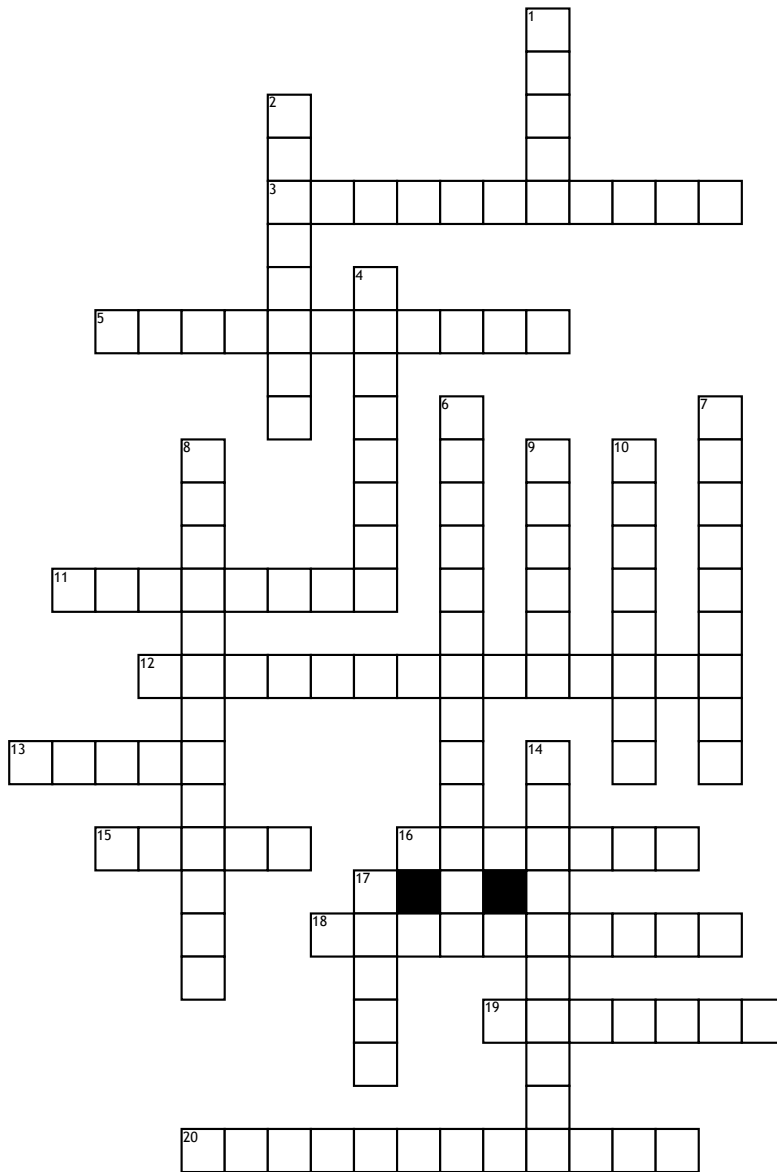


Name: _____

wind turbine project



Across

- 3. something that converts wind into electricity
- 5. something a wind turbine can create
- 11. this helps the turbine face the wind direction when it changes
- 12. drives the generator
- 13. something that stops the rotor in emergencies
- 15. turns the blades out of the wind to control the rotor speed
- 16. sits atop the tower and contains 6 of the turbine parts

18. controls the machine's wind speeds

19. connects the low-speed shaft to the high-speed shaft. it also increases rotational speeds

20. what is the best geographic location for wind turbines

Down

- 1. something that supports the structure of the wind turbine
- 2. what powers the yaw drive?
- 4. communicates with the yaw drive to orient the turbine properly

6. it turns something at about 30-60 rpm

7. it produces 60-cycle AC electricity

8. the thing that determines the design of the wind turbine

9. things that catch the wind
10. what is a group of turbines called?

14. measures wind speeds & sends it to the controller

17. something that the blades turn around on