
A2.3 Worksheet C: The Power of the Wind — What do you think?

1. Does it matter how many blades there are on the generator?
2. How many blades are on wind turbines in Ireland?
3. To make the generator spin faster, would we increase or decrease the number of blades on it?
4. Would the speed of the wind turbine change if the blades were at different angles?
5. How could you generate more electricity using this generator?
6. Describe what types of energy are involved in this system.
7. Does the type of material from which the blades are made affect the system?
8. There are many people who object to the installation of wind turbines as generators of electricity. Give three reasons for objection.
9. Are there many wind farms in Ireland? How are they used and who mainly uses them?
10. What is the benefit of using wind to generate electricity rather than burning fuels such as coal, peat or oil?
11. How much electricity is generated by wind in Ireland compared to the quantity of electricity generated by fossil fuels?