

WIND POWER

1. Fill in the gaps with words provided. Beware of the spelling or it will be marked as a mistake.

windy wind turbines shaft rotation generator
gearbox electricity damaged break

Wind power is energy obtained by using tall ----- driven by the force of the ----- . The turbines are connected to a ----- that generates ----- . A ----- is added to maximize the ----- of the ----- as it enters the generator and a ----- to slow down or stop the rotor blade in very ----- conditions to prevent the blade from being ----- .

2. Classify the following statements into advantages (A) or disadvantages (D) of wind power:

- It does not contribute to global warming, ozone depletion and does not cause acid rain
- It does not produce carbon dioxide
- Generation only occurs in certain conditions (at certain wind speeds)
- It relies on the weather
- Large number of turbines are needed
- Renewable (Unlimited supply)
- Running costs are very low
- It uses large area
- Visual impact
- Wind farms can produce income for farmers
- Wind turbines are noisy and can interrupt TV and radio
- Not all locations are suitable
- Winds are stronger in winter when the demand for energy is greatest.