

name: _____

class: _____

date: _____

Exploring Wind Power



Wind power plays a crucial role in the global shift towards _____ energy. By converting the wind's kinetic energy into electricity, wind _____ provide a clean alternative to fossil fuels. These turbines can be found both on land, known as _____, and at sea, referred to as offshore. The heart of a wind turbine is its _____, which creates electricity as the wind turns the _____. Unlike traditional power sources, wind energy does not produce harmful _____, making it environmentally friendly. One of the biggest advantages of wind power is its _____, as it relies on a resource that is both abundant and free. However, the efficiency of a wind turbine depends on the _____, with some areas having stronger and more consistent winds than others. To capture the most energy, turbines are often placed in _____ farms, which are large groups of turbines working together. These farms can sometimes be a _____ of debate due to their visual impact on the landscape and potential effects on local _____. Despite these challenges, the technology behind wind power continues to advance, reducing costs and increasing _____. Countries around the world are investing in wind energy, recognizing its potential to help meet _____ goals and reduce dependency on non-renewable resources. As research and _____ persist, wind power is set to play an even more significant role in the world's energy _____.

- sustainability
- onshore
- emissions
- turbines
- climate
- renewable
- wildlife
- efficiency
- location
- generator
- portfolio
- wind
- blades
- development
- subject