

WIND ENERGY



1. How is wind created?

Air that has been warmed over sun-heated land rises, leaving a vacuum in the space it once occupied. Cooler surrounding air then rushes in to fill the vacuum.

2. What nation developed windmills?

Persia

3. Who used to travel the Nile River with wind power?

The ancient Egyptians

4. What are the three (3) basic components of a modern wind energy system?

1.) **Rotor** 2.) **Tower** 3.) **Nacelle**

5. What is housed in the Nacelle?

The equipment, including the generator, that converts the mechanical energy in the spinning rotor into electricity

6. What does the generator produce?

Electricity
