

# Renewable Energy

## Drag and Drop

light (photo)	sun	big	electricity (volts)	mechanical energy		
tides	turbine	most	none	small	earth	wind
near	far from	hard to capture	free	difference		

### Solar energy

What is solar energy?

Energy from the 1.

What is a photovoltaic cell?

Converts 2. energy into 3.

### Hydroelectricity

What is hydroelectricity?

Converts the 4. of moving water into electricity

What is one economic advantage to hydroelectricity?

Once the dam is built the energy is 5.

### Tidal energy

What is tidal energy?

Energy from the movement of water caused by the 6. , between high and low tide.

Why is tidal energy a limited source of energy?

Tidal stations only work in places where there is a 7. difference between high and low tide. Tidal power stations are built 8. the coast (on the continental shelf), where most sea life lives, so they can cause environmental problems.

### Wind energy

What device is used to harness the energy in wind and convert it into electricity?

A windmill, or wind 9.

Why is the wind an energy source with limited uses?

Windmills are only effective in places where the wind blows 10. of the time.