

Energy resources:- which are best?

Energy resource	How it works	Advantages	Disadvantages
Wind	Movement energy from wind, using windmills	<ul style="list-style-type: none"> • Clean • Renewable- always be wind 	<ul style="list-style-type: none"> • Doesn't work if there's no wind. • Wind turbines are noisy. • Makes small amounts of electricity
Nuclear	Uses uranium (a radioactive substance)	<ul style="list-style-type: none"> • Does not produce carbon dioxide • Large amounts of energy for small amounts of fuel 	<ul style="list-style-type: none"> • Produces dangerous radioactive waste • Risk of serious accidents • Expensive to build/dismantle
Solar	Panels absorb light energy from the sun	<ul style="list-style-type: none"> • Does not produce carbon dioxide • Renewable- always be Sun 	<ul style="list-style-type: none"> • Doesn't work at night • Not reliable-Sun doesn't always shine
Hydroelectric	Movement energy from running water	<ul style="list-style-type: none"> • Does not produce carbon dioxide • Renewable- always be rain 	<ul style="list-style-type: none"> • Expensive to build • Not many places to build one
Tidal	Energy from movement of the sea as the tide changes	<ul style="list-style-type: none"> • Does not produce carbon dioxide • Renewable- always be tides 	<ul style="list-style-type: none"> • Only works on rivers with big tides • Interferes with ships and marine life
Fossil fuels (such as coal)	Burning fossil fuels releases heat energy	<ul style="list-style-type: none"> • Reliable -there is a ready supply 	<ul style="list-style-type: none"> • Produces carbon dioxide • Produces sulphur dioxide (makes acid rain) • Non renewable- will not be replaced when supplies used up
Biomass	Burning wood or alcohol or methane	<ul style="list-style-type: none"> • Renewable-can produce more or grow more trees/plants 	<ul style="list-style-type: none"> • Requires large areas of land to grow trees/sugar cane

