


Learning materials: Diamond-9 ranking cards for cutting out

Wind Energy



Wind is a sustainable, renewable source of energy that will never run out

Onshore wind is one of the cheapest ways to generate energy and will soon be the cheapest

The production of wind energy varies on all time scales, not as much is produced on calmer days than on windier days

Wind energy doesn't pollute the air or generate greenhouse gas emissions while generating electricity

It helps the UK become more 'energy secure' as it does not have to import fuel and has plenty of wind


Turbines are a risk to birds and bats, and have been killed by spinning blades

Turbines can be built in shallow seas or on existing farms. Farmers can still farm around the turbines and earn an income through rent.

The best places for wind farms are usually in remote locations away from cities where the energy is needed

Enough people believe wind turbines are an eye-sore and noisy to campaign against their construction in their local area

Solar Energy



Solar energy doesn't pollute the air or generate greenhouse gas emissions while generating electricity

The sun is a sustainable, renewable source of energy that will never run out

Solar panels are relatively inefficient at converting the sun's energy into electricity

Solar farms require very little maintenance, which is mostly to keep the panels clean

Weather and climate limit how much solar energy a place can produce. There is no sun during the night, and less of it in winter.

Solar panels can be installed on existing rooftops and over existing infrastructure

The cost of installing solar PV panels or building large solar farms is still relatively high

Solar power allows individuals, communities and countries to become energy independent and secure