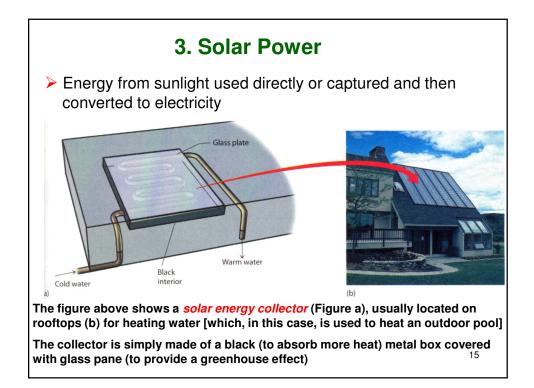
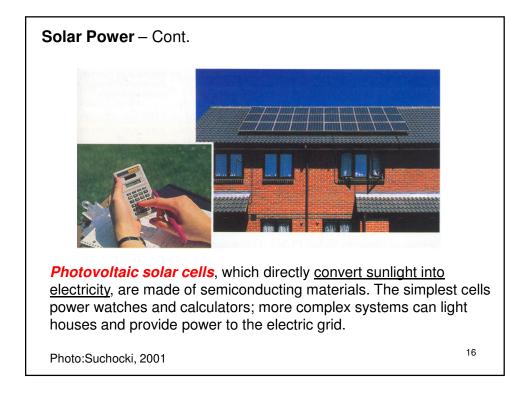


Arguments Against Wind Power	Arguments in Favor of Wind Power
Many sites—including offshore ones—are <u>far from centers of demand</u> , requiring long transmission lines to be built.	This is also true of many potential new hydroelectric projects.
Wind power needs some <u>tax incentives to</u> compete with traditional forms of electricity production.	Conventional and nuclear power plants receiv much larger, though indirect, subsidies.
The construction of windmills at some remote sites requires roads, forest clearing, and other _destructive infrastructure.	
Windmills kill wildlife, especially bats and birds of prey.	Studies show that very few birds are killed by wind turbines, especially compared to the number killed by cars, cats, etc.
<u>Huge areas of land,</u> and therefore of habitat, are required to construct enough windmills to have a substantial effect on electricity supply.	

Arguments Against Wind Power	Arguments in Favor of Wind Power
The continuous motion of the blades produces low-grade <u>noise pollution</u> nearby.	Noise level is comparable to traffic.
On-shore wind farms are a form of " <u>visual</u> <u>pollution</u> ."	Sites remote from areas of dense population ca be used.
Wind power is usually i <u>ntermittent</u> , with a low annual load factor, and requires backup facilities using traditional resources to remain constantly on-call.	Excess wind energy can be stored mechanicall by pumping water to elevated storage facilitie or in batteries and then used when needed to produce electricity.
	Very little greenhouse gas emissions are associated with wind energy compared to fossil-fuel combustion. There is no nuclear waste to store or potential radiation problems compared to nuclear power.



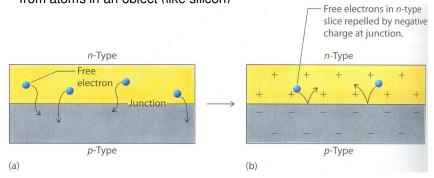


Solar Power: How It Works

How do photovoltaic solar cells work?

(Powered radios, small electronic devices in space shuttles)

Rely on photoelectric effect = ability of light to knock electrons away from atoms in an object (like silicon)



Sunlight strikes silicon surface; electrons migrate from n-type to p-type (a); charge builds up (b) after a while ERROR: undefined OFFENDING COMMAND: '~

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