



## READING & SPEAKING

**A** Read the six eco tips.

1 Water flowers at home and plant a tree.

2 Reuse plastic bottles and separate the garbage.

3 Use canvas and paper bags instead of plastic ones.

4 Recycle paper by putting it into recycling containers.

5 Tell your parents to ride bikes instead of drive cars.

6 Use water only when you really need to.

**B** Discuss the tips from Task A and write some more ideas. Do you ever do any of the things according to the tips in Task A? Have you ever heard of **Greenpeace**? What does **PETA** do?

**GREENPEACE**



**C** Read the text.

### *Eco future: solar energy vs. wind energy*

Both solar panels and wind turbines give off no pollution so they don't affect global warming. Solar panels produce energy quietly. On the other hand, wind turbines are very noisy. Solar panels can be put on a roof while wind turbines need more space. The installation costs are high in both cases but in time the costs become lower. There is enough wind and sun to keep the panels and turbines busy. However, the changes in weather influence their work. Wind must blow more than 26 km/h for the turbines to produce energy and solar energy can produce electricity only on sunny days. Experts say that solar parks the size of Austria can make enough electricity for the whole world. We must use more sun and wind energy because it is important for the future.



**D** Are these statements **true (T)** or **false (F)**? Correct the false ones.

- 1 Only solar panels don't pollute the environment. ☐
- 2 Wind turbines can make a lot of noise. ☐
- 3 Solar panels use the energy of the sun and wind turbines use the energy of the wind. ☐
- 4 The only energy we can produce forever is the solar energy. ☐
- 5 Wind turbines don't produce energy if the wind is slower than 26 km/h. ☐
- 6 Austria can produce enough electricity for the whole world. ☐

**E** Complete the table with the facts in Task E.

TYPE OF ENERGY	ADVANTAGE	DISADVANTAGE
Wind energy		
Solar energy		



## WRITING

**F** Write predictions about the future of our planet.

- 1 There will be more \_\_\_\_\_ and \_\_\_\_\_.
- 2 There will be less \_\_\_\_\_ and \_\_\_\_\_.
- 3 There won't be any \_\_\_\_\_ and \_\_\_\_\_.
- 4 People will \_\_\_\_\_.
- 5 People won't \_\_\_\_\_.



### ! REMEMBER

16 mph  $\approx$  25 km/h  
 1 foot  $\approx$  30.5 cm  
 1 pound (lb) = 0.45 kg  
 1 land mile = 1.6 km



<b>Worksheet</b>	<b>Being eco-friendly</b>										
<b>Year</b>	6										
<b>Topic</b>	Ecology										
<b>Key language</b>	eco tips, solar and wind energy (renewable energy sources or green energy), <i>will</i> for the future										
<b>Aims</b>	Talking about eco tips, reading about eco future, comparing solar to wind energy, making predictions with <i>will</i> future.										
<b>Duration</b>	45 minutes										
<b>Procedure</b>	<p><b>A</b> Ss read the eco tips. T explains the unknown words.</p> <p><b>B</b> Ss talk about the tips from task 1 and answer some questions.</p> <p><b>C</b> Ss read about solar and wind energy advantages and disadvantages.</p> <p><b>D</b> After reading, they do the T/F task.</p> <p><b>E</b> Ss complete the table (pluses and minuses of solar and wind energy).</p> <p><b>F</b> Ss make predictions about the future of our planet.</p>										
<b>References</b>	<a href="http://solarelectricityhandbook.com">http://solarelectricityhandbook.com</a> <a href="http://www.renewableenergyworld.com">http://www.renewableenergyworld.com</a> <a href="http://www.eschooltoday.com/energy/renewable-energy/">http://www.eschooltoday.com/energy/renewable-energy/</a> <a href="http://www.conserve-energy-future.com/">http://www.conserve-energy-future.com/</a> <a href="http://www.windustry.org/">http://www.windustry.org/</a> <a href="http://energyinformative.org/">http://energyinformative.org/</a>										
<b>Correlation</b>	Citizenship Education, Science (Ecology)										
<b>Homework</b>	Ss will make an eco-friendly poster and put it into their GOO portfolios (see the example poster on the worksheet).										
<b>Answer key</b>	<p><b>B</b> Greenpeace is an international environmental organisation founded in Vancouver, Canada in 1971. It fights against whaling, oil transport, global warming, etc. PETA stands for People for the Ethical Treatment of Animals. It is an organisation that holds campaigns for animal rights, against fur and leather use, etc.</p> <p><b>D</b> 1 F, 2 T, 3 T, 4 F, 5 T, 6 F</p> <p><b>E</b></p> <table border="1"> <thead> <tr> <th>TYPE OF ENERGY</th><th>ADVANTAGES</th><th>DISADVANTAGES</th></tr> </thead> <tbody> <tr> <td>Wind energy</td><td>In the windy area they work all the time. It is green energy (doesn't effect nature).</td><td>Wind turbines are noisy and they need more space. The installation costs are high.</td></tr> <tr> <td>Solar energy</td><td>Solar panels are quiet. They can be put on the roof.</td><td>It can only work during the day. The installation costs are high.</td></tr> </tbody> </table> <p><b>F</b> Suggested answers:  <b>1</b> pollution, violence  <b>2</b> food, water  <b>3</b> organic food, oil  <b>4</b> live longer because of better medicine  <b>5</b> eat healthy food any more</p>		TYPE OF ENERGY	ADVANTAGES	DISADVANTAGES	Wind energy	In the windy area they work all the time. It is green energy (doesn't effect nature).	Wind turbines are noisy and they need more space. The installation costs are high.	Solar energy	Solar panels are quiet. They can be put on the roof.	It can only work during the day. The installation costs are high.
TYPE OF ENERGY	ADVANTAGES	DISADVANTAGES									
Wind energy	In the windy area they work all the time. It is green energy (doesn't effect nature).	Wind turbines are noisy and they need more space. The installation costs are high.									
Solar energy	Solar panels are quiet. They can be put on the roof.	It can only work during the day. The installation costs are high.									