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Level 3 – 29th August, 2020

Black wind-turbine blade cuts bird deaths

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<https://breakingnewsenglish.com/2008/200829-wind-turbine.html>

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Please try Levels 0, 1 and 2 (they are easier).

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THE ARTICLE

From <https://breakingnewsenglish.com/2008/200829-wind-turbine.html>

There are many advantages of wind turbines and wind farms. They are important in providing green energy. However, there are also some disadvantages. One of these is that the giant blades on turbines kill thousands of birds. Many birds accidentally fly into the blades and die. Researchers have found a solution. They say painting one blade black could help birds see the rotating blades. This could cut bird strikes by up to 70 per cent. Researcher Dr Roel May said: "The collision of birds...is one of the main environmental concerns related to wind energy development." The findings of the research have been published in the conservation journal "Ecology and Evolution".

Dr May and his team conducted research on how to reduce the death rate of birds due to wind-turbine blades. They painted one blade of four different turbines black. The data showed that over four years, the turbines with one black blade saw a reduction in bird deaths of over 71 per cent. Dr May said: "Few effective measures have been developed to reduce the risk of collision." The RSPB, a bird protection group, welcomed the idea. It stressed the importance of wind farms needing to "take place in harmony with nature". It added: "Wind turbines are the right technology when we find the right places for them." It said wind farms should be put in places where there is little risk to wildlife.

Sources: <https://www.bbc.com/news/science-environment-53909825>
<https://www.cnet.com/news/10-generators-to-keep-your-lights-on/>
<https://bgr.com/2020/08/26/wind-turbine-birds-death/>

WARM-UPS

1. WIND TURBINES: Students walk around the class and talk to other students about wind turbines. Change partners often and share your findings.

2. CHAT: In pairs / groups, talk about these topics or words from the article. What will the article say about them? What can you say about these words and your life?

advantages / wind / turbine / green energy / birds / solution / blade / development / research / death rate / black / effective / measure / protection / harmony / wildlife

Have a chat about the topics you liked. Change topics and partners frequently.

3. WIND ENERGY: Students A **strongly** believe wind energy is the best form of green energy; Students B **strongly** believe the opposite. Change partners again and talk about your conversations.

4. GREEN TECHNOLOGY: What are the good and bad things about these green technologies? Complete this table with your partner(s). Change partners often and share what you wrote.

	Good Things	Bad Things
Wind farms		
Solar energy		
Nuclear power		
Tidal power		
Biofuels		
Geothermal power		

5. GREEN: Spend one minute writing down all of the different words you associate with the word "green". Share your words with your partner(s) and talk about them. Together, put the words into different categories.

6. ENVIRONMENT: Rank these with your partner. Put the biggest environmental problems at the top. Change partners often and share your rankings.

- GM crops
- Water pollution
- Deforestation
- Overfishing
- Air pollution
- Melting ice caps
- Species extinction
- Ozone hole

VOCABULARY MATCHING

Paragraph 1

- | | |
|-----------------|--|
| 1. advantage | a. Moving or causing to move in a circle around a center. |
| 2. blade | b. By chance. |
| 3. accidentally | c. The flat, wide section of something like an oar or a propeller. |
| 4. solution | d. The protecting of the natural environment and of wildlife. |
| 5. rotating | e. A good point or benefit of something. |
| 6. collision | f. A way of solving a problem or dealing with a difficult situation. |
| 7. conservation | g. An instance of one moving object or person violently hitting against another. |

Paragraph 2

- | | |
|---------------|---|
| 8. conducted | h. A measure or quantity of something, usually against another quantity or measure. |
| 9. rate | i. Successful in producing a desired or intended result. |
| 10. reduction | j. A situation involving exposure to danger. |
| 11. welcomed | k. The action or fact of making a specified thing smaller or less in amount, degree, or size. |
| 12. effective | l. Living together nicely. |
| 13. harmony | m. Was happy about a new plan or idea. |
| 14. risk | n. Organized and done. |

BEFORE READING / LISTENING

From <https://breakingnewsenglish.com/2008/200829-wind-turbine.html>

1. TRUE / FALSE: Read the headline. Guess if a-h below are true (T) or false (F).

- a. The article said there were very few advantages of wind farms. **T / F**
- b. The article said wind farms produce green energy. **T / F**
- c. Many birds die when they accidentally fly into wind-turbine blades. **T / F**
- d. The findings of the research have been published in a newspaper. **T / F**
- e. Researchers did their tests using four wind turbines. **T / F**
- f. The research was conducted over four years. **T / F**
- g. The RSPB is a company that produces wind turbines. **T / F**
- h. The RSPB said wind farms should pose little risk to wildlife. **T / F**

2. SYNONYM MATCH: (The words in **bold** are from the news article.)

- | | |
|----------------------|---------------|
| 1. advantages | a. figures |
| 2. providing | b. issued |
| 3. rotating | c. danger |
| 4. cut | d. supplying |
| 5. published | e. peace |
| 6. conducted | f. reduce |
| 7. data | g. did |
| 8. effective | h. benefits |
| 9. harmony | i. successful |
| 10. risk | j. turning |

3. PHRASE MATCH: (Sometimes more than one choice is possible.)

- | | |
|-----------------------------------|----------------------|
| 1. advantages of wind turbines | a. rate of birds |
| 2. there are also some | b. up to 70 per cent |
| 3. Many birds accidentally fly | c. concerns |
| 4. This could cut bird strikes by | d. to wildlife |
| 5. one of the main environmental | e. disadvantages |
| 6. his team conducted | f. with nature |
| 7. how to reduce the death | g. research |
| 8. effective | h. and wind farms |
| 9. take place in harmony | i. measures |
| 10. there is little risk | j. into the blades |

GAP FILL

From <https://breakingnewsenglish.com/2008/200829-wind-turbine.html>

There are many (1) _____ of wind turbines and wind farms. They are important in (2) _____ green energy. However, there are also some disadvantages. One of these is that the giant (3) _____ on turbines kill thousands of birds. Many birds (4) _____ fly into the blades and die. Researchers have found a solution. They say painting one blade black could help birds see the (5) _____ blades. This could cut bird strikes by up to 70 per cent. Researcher Dr Roel May said: "The (6) _____ of birds...is one of the main environmental (7) _____ related to wind energy development." The findings of the research have been published in the (8) _____ journal "Ecology and Evolution".

blades
rotating
conservation
advantages
accidentally
concerns
providing
collision

Dr May and his team (9) _____ research on how to reduce the death rate of birds (10) _____ to wind-turbine blades. They painted one blade of four different turbines black. The (11) _____ showed that over four years, the turbines with one black blade saw a (12) _____ in bird deaths of over 71 per cent. Dr May said: "Few effective measures have been developed to reduce the (13) _____ of collision." The RSPB, a bird protection group, welcomed the idea. It stressed the importance of wind farms needing to "take place in (14) _____ with nature". It added: "Wind turbines are the right technology when we find the right (15) _____ for them." It said wind farms should be put in places where there is little risk to (16) _____.

reduction
due
wildlife
risk
conducted
places
data
harmony

LISTENING – Guess the answers. Listen to check.

From <https://breakingnewsenglish.com/2008/200829-wind-turbine.html>

- 1) There are many advantages of wind turbines _____
 - a. and winded farms
 - b. and windy farms
 - c. and wind farms
 - d. and winds farms
- 2) Many birds accidentally fly into the _____
 - a. blades and dies
 - b. blades and dye
 - c. blades and die
 - d. blades and dry
- 3) They say painting one blade black could help birds see _____
 - a. the rotate in blades
 - b. them rotating blade
 - c. there rotate tin blades
 - d. the rotating blades
- 4) The collision of birds...is one of the main environmental concerns _____ energy
 - a. relate it to wind
 - b. related to wind
 - c. relate it too wind
 - d. related twine
- 5) been published in the conservation journal "Ecology _____"
 - a. and Revolution
 - b. end Evolution
 - c. an Evolution
 - d. and Revolution
- 6) Dr May and his team conducted research on how to reduce _____
 - a. the death ratio
 - b. the death rate
 - c. the death rate it
 - d. the death rated
- 7) They painted one blade of four different _____
 - a. turbans black
 - b. tulip pines black
 - c. tar bins black
 - d. turbines black
- 8) The data showed that over four years, the turbines with one black blade _____
 - a. saw a reduction
 - b. sore a reduction
 - c. sawn reduction
 - d. shore a reduction
- 9) The RSPB, a bird protection group, _____
 - a. welcome the idea
 - b. well come the idea
 - c. welcomed the idea
 - d. well coned the idea
- 10) It said wind farms should be put in places where there _____
 - a. is little brisk
 - b. is little risk
 - c. is little list
 - d. is little task

LISTENING – Listen and fill in the gaps

From <https://breakingnewsenglish.com/2008/200829-wind-turbine.html>

There are (1) _____ wind turbines and wind farms. They are important in providing green energy. However, there are also some disadvantages. One (2) _____ that the giant blades on turbines kill thousands of birds. Many birds accidentally fly into the blades and die. Researchers have (3) _____. They say painting one blade black could help birds see the rotating blades. This could cut bird (4) _____ to 70 per cent. Researcher Dr Roel May said: "The collision of birds...is one of the main environmental concerns (5) _____ energy development." The findings of the research have been published in the conservation journal "(6) _____".

Dr May and his team conducted research on (7) _____ the death rate of birds due to wind-turbine blades. They painted one blade of four different turbines black. The data (8) _____ four years, the turbines with one black blade saw a reduction in bird deaths of over 71 per cent. Dr May said: "(9) _____ have been developed to reduce the risk of collision." The RSPB, a bird protection group, (10) _____. It stressed the importance of wind farms needing to "take (11) _____ with nature". It added: "Wind turbines are the right technology when we find the right places for them." It said wind farms should be put in places where there is (12) _____ wildlife.

COMPREHENSION QUESTIONS

From <https://breakingnewsenglish.com/2008/200829-wind-turbine.html>

1. How many advantages did the article say there were to wind farms?
2. How many birds do wind-turbine blades kill?
3. By how much could the black blades reduce bird strikes?
4. What did a researcher say was one of the main environmental concerns?
5. What is "Ecology and Evolution"?
6. How many different wind turbines did researchers do tests on?
7. How long was the research?
8. What is the RSPB?
9. What did the RSPB say wind farms should be in harmony with?
10. What did the RSPB say wind farms should cause little risk to?

MULTIPLE CHOICE - QUIZ

From <https://breakingnewsenglish.com/2008/200829-wind-turbine.html>

- 1) How many advantages did the article say there were to wind farms?
 - a) 86
 - b) many
 - c) one
 - d) several
- 2) How many birds do wind-turbine blades kill?
 - a) hundreds
 - b) dozens
 - c) thousands
 - d) millions
- 3) By how much could the black blades reduce bird strikes?
 - a) well over 70%
 - b) around 70%
 - c) exactly 70%
 - d) up to 70%
- 4) What did a researcher say was one of the main environmental concerns?
 - a) air pollution
 - b) the collision of birds
 - c) acid rain
 - d) climate change
- 5) What is "Ecology and Evolution"?
 - a) a journal
 - b) a newspaper
 - c) a bird protection group
 - d) a university
- 6) How many different wind turbines did researchers do tests on?
 - a) four
 - b) eight
 - c) 16
 - d) 32
- 7) How long was the research?
 - a) 32
 - b) 16
 - c) eight
 - d) four
- 8) What is the RSPB?
 - a) a journal
 - b) a wind-turbine company
 - c) a bird protection group
 - d) a university
- 9) What did the RSPB say wind farms should be in harmony with?
 - a) us
 - b) art
 - c) music
 - d) nature
- 10) What did the RSPB say wind farms should cause little risk to?
 - a) trees
 - b) wildlife
 - c) ants
 - d) the sky

ROLE PLAY

From <https://breakingnewsenglish.com/2008/200829-wind-turbine.html>

Role A – Overfishing

You think overfishing is the biggest danger to the environment. Tell the others three reasons why. Tell them why their problems aren't as bad. Also, tell the others which is the least worrying of these (and why): melting ice caps, water pollution or deforestation.

Role B – Melting Ice Caps

You think melting ice caps is the biggest danger to the environment. Tell the others three reasons why. Tell them why their problems aren't as bad. Also, tell the others which is the least worrying of these (and why): overfishing, water pollution or deforestation.

Role C – Water Pollution

You think water pollution is the biggest danger to the environment. Tell the others three reasons why. Tell them why their problems aren't as bad. Also, tell the others which is the least worrying of these (and why): melting ice caps, overfishing or deforestation.

Role D – Deforestation

You think deforestation is the biggest danger to the environment. Tell the others three reasons why. Tell them why their problems aren't as bad. Also, tell the others which is the least worrying of these (and why): melting ice caps, water pollution or overfishing.

AFTER READING / LISTENING

From <https://breakingnewsenglish.com/2008/200829-wind-turbine.html>

1. WORD SEARCH: Look in your dictionary / computer to find collocates, other meanings, information, synonyms ... for the words 'wind' and 'farm'.

wind	farm

- Share your findings with your partners.
- Make questions using the words you found.
- Ask your partner / group your questions.

2. ARTICLE QUESTIONS: Look back at the article and write down some questions you would like to ask the class about the text.

- Share your questions with other classmates / groups.
- Ask your partner / group your questions.

3. GAP FILL: In pairs / groups, compare your answers to this exercise. Check your answers. Talk about the words from the activity. Were they new, interesting, worth learning...?

4. VOCABULARY: Circle any words you do not understand. In groups, pool unknown words and use dictionaries to find their meanings.

5. TEST EACH OTHER: Look at the words below. With your partner, try to recall how they were used in the text:

<ul style="list-style-type: none">• advantages• giant• fly• painting• main• journal	<ul style="list-style-type: none">• team• data• 71• stressed• right• risk
--	--

WIND TURBINES SURVEY

From <https://breakingnewsenglish.com/2008/200829-wind-turbine.html>

Write five GOOD questions about wind turbines in the table. Do this in pairs. Each student must write the questions on his / her own paper. When you have finished, interview other students. Write down their answers.

	STUDENT 1 _____	STUDENT 2 _____	STUDENT 3 _____
Q.1.			
Q.2.			
Q.3.			
Q.4.			
Q.5.			

- Now return to your original partner and share and talk about what you found out. Change partners often.
- Make mini-presentations to other groups on your findings.

WIND TURBINES DISCUSSION

STUDENT A's QUESTIONS (Do not show these to student B)

1. What did you think when you read the headline?
2. What images are in your mind when you hear the word 'wind'?
3. What do you think of wind farms?
4. Why can't birds see the blades of wind turbines?
5. What advantages are there of wind farms?
6. What other examples of green energy are good?
7. Why might one black blade stop birds from flying into wind turbines?
8. What other problems are there with wind farms?
9. How important is conservation and nature to you?
10. What other ways could wind farms keep birds safe?

Black wind-turbine blade cuts bird deaths – 29th August, 2020
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WIND TURBINES DISCUSSION

STUDENT B's QUESTIONS (Do not show these to student A)

11. Did you like reading this article? Why/not?
12. What do you think of when you hear the word 'turbine'?
13. What do you think about what you read?
14. Do you think wind turbines are beautiful or ugly?
15. Are wind farms more important than birds dying?
16. Would you like to join a bird protection group?
17. How can wind farms be 'in harmony' with nature?
18. What three adjectives best describe this story?
19. Should a wind farm be destroyed if it is a risk to wildlife?
20. What questions would you like to ask the researchers?

DISCUSSION (Write your own questions)

STUDENT A's QUESTIONS (Do not show these to student B)

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

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DISCUSSION (Write your own questions)

STUDENT B's QUESTIONS (Do not show these to student A)

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

LANGUAGE - CLOZE

From <https://breakingnewsenglish.com/2008/200829-wind-turbine.html>

There are many advantages of wind turbines and (1) _____ farms. They are important in (2) _____ green energy. However, there are also some disadvantages. One of these is that the (3) _____ blades on turbines kill thousands of birds. Many birds accidentally fly into the blades and (4) _____. Researchers have found a solution. They say painting one blade black could help birds see the rotating blades. This could cut bird strikes by up to 70 per cent. Researcher Dr Roel May said: "The collision of birds...is (5) _____ of the main environmental concerns related to wind energy development." The findings of the research have been (6) _____ in the conservation journal "Ecology and Evolution".

Dr May and his team conducted research (7) _____ how to reduce the death rate of birds due to wind-turbine blades. They painted one blade of four different turbines black. The (8) _____ showed that over four years, the turbines with one black blade saw a reduction (9) _____ bird deaths of over 71 per cent. Dr May said: "Few effective measures have been developed to reduce the risk of collision." The RSPB, a bird protection group, welcomed the idea. It (10) _____ the importance of wind farms needing to "take place in (11) _____ with nature". It added: "Wind turbines are the right technology when we find the right places for them." It said wind farms should be put in places where there is (12) _____ risk to wildlife.

Put the correct words from the table below in the above article.

- | | | | | |
|-----|---------------|--------------|---------------|---------------|
| 1. | (a) windy | (b) winded | (c) wind | (d) windproof |
| 2. | (a) providing | (b) provides | (c) provision | (d) provider |
| 3. | (a) giant | (b) gaunt | (c) grant | (d) gland |
| 4. | (a) die | (b) death | (c) dead | (d) dying |
| 5. | (a) once | (b) one | (c) only | (d) ones |
| 6. | (a) report | (b) essay | (c) writing | (d) published |
| 7. | (a) at | (b) to | (c) on | (d) as |
| 8. | (a) mega | (b) meta | (c) beta | (d) data |
| 9. | (a) in | (b) at | (c) as | (d) to |
| 10. | (a) stressed | (b) caution | (c) anxiety | (d) worry |
| 11. | (a) nice | (b) harmony | (c) kindly | (d) tuneful |
| 12. | (a) mini | (b) few | (c) little | (d) short |

SPELLING

From <https://breakingnewsenglish.com/2008/200829-wind-turbine.html>

Paragraph 1

1. many aasteandvg of wind turbines
2. the giant dalbse on turbines
3. Many birds cdaactileyl fly into the blades
4. Researchers have found a iolnuots
5. the main environmental sneorccn
6. the conservation janrluo "Ecology and Evolution"

Paragraph 2

7. Dr May and his team touneddcc research
8. a duioctrne in bird deaths
9. Few eetfcfive measures have been developed
10. reduce the risk of noisoilcl
11. in nyomrah with nature
12. there is little risk to wdellfii

PUT THE TEXT BACK TOGETHER

From <https://breakingnewsenglish.com/2008/200829-wind-turbine.html>

Number these lines in the correct order.

- () years, the turbines with one black blade saw a reduction in bird deaths of over 71 per cent. Dr May said: "Few effective
- (**1**) There are many advantages of wind turbines and wind farms. They are important in providing green
- () measures have been developed to reduce the risk of collision." The RSPB, a bird protection
- () cut bird strikes by up to 70 per cent. Researcher Dr Roel May said: "The collision of
- () group, welcomed the idea. It stressed the importance of wind farms needing to "take
- () the research have been published in the conservation journal "Ecology and Evolution".
- () energy. However, there are also some disadvantages. One of these is that the giant blades
- () birds...is one of the main environmental concerns related to wind energy development." The findings of
- () on turbines kill thousands of birds. Many birds accidentally fly into the blades and die. Researchers have
- () found a solution. They say painting one blade black could help birds see the rotating blades. This could
- () blades. They painted one blade of four different turbines black. The data showed that over four
- () places for them." It said wind farms should be put in places where there is little risk to wildlife.
- () place in harmony with nature". It added: "Wind turbines are the right technology when we find the right
- () Dr May and his team conducted research on how to reduce the death rate of birds due to wind-turbine

PUT THE WORDS IN THE RIGHT ORDER

From <https://breakingnewsenglish.com/2008/200829-wind-turbine.html>

1. wind There of advantages are turbines . many
2. are important in energy . providing They green
3. turbines thousands kill blades of Giant birds . on
4. black one help could birds see . Painting blade
5. to environmental energy . related concerns Main wind
6. of to reduce birds . the rate death How
7. different of one turbines . blade four painted They
8. been Measures the have developed reduce risk . to
9. place take Needing nature to harmony in with
10. wildlife . where Places little to risk is there

CIRCLE THE CORRECT WORD (20 PAIRS)

From <https://breakingnewsenglish.com/2008/200829-wind-turbine.html>

There are many advantages of *windy / wind* turbines and wind farms. They are important *in / on* providing green energy. However, there are also *sum / some* disadvantages. One of these is *what / that* the giant blades on turbines kill thousands *of / on* birds. Many birds accidentally fly into the blades and die. Researchers have *found / find* a solution. They say painting one blade black could help birds *see / seen* the rotating blades. This could cut bird strikes by up to 70 per cent. Researcher Dr Roel May said: "The collision of birds...is one *of / oft* the main environmental concerns *relation / related* to wind energy development." The findings of the research have been *publishing / published* in the conservation journal "Ecology and Evolution".

Dr May and his team conducted research *in / on* how to reduce the death rate of birds *due / dew* to wind-turbine blades. They painted *once / one* blade of four different turbines black. The *ratio / data* showed that over four years, the turbines with one black blade saw a reduction in bird *dies / deaths* of over 71 per cent. Dr May said: "Few effective *weights / measures* have been developed to reduce the *risk / risky* of collision." The RSPB, a bird protection group, *welcomed / pleased* the idea. It stressed the importance of wind farms needing to "take place in harmony *without / with* nature". It added: "Wind turbines are the right technology when we find the right places for them." It said wind farms should be put in places *where / what* there is little risk to wildlife.

Talk about the connection between each pair of words in italics, and why the correct word is correct.

INSERT THE VOWELS (a, e, i, o, u)

From <https://breakingnewsenglish.com/2008/200829-wind-turbine.html>

T h _ r _ _ r _ m _ n y _ d v _ n t _ g _ s _ f _ w _ n d _ t _ r b _ n _ s _ n d
w _ n d _ f _ r m s . T h _ y _ r _ _ m p _ r t _ n t _ n _ p r _ v _ d _ n g
g r _ _ n _ n _ r g y . H _ w _ v _ r , t h _ r _ _ r _ l s _ s _ m _
d _ s _ d v _ n t _ g _ s . O n _ f _ t h _ s _ _ s _ t h _ t _ t h _ g _ _ n t
b l _ d _ s _ n _ t _ r b _ n _ s _ k _ l l _ t h _ _ s _ n d s _ f _ b _ r d s .
M _ n y _ b _ r d s _ c c _ d _ n t _ l l y _ f l y _ n t _ t h _ b l _ d _ s
_ n d _ d _ _ . R _ s _ _ r c h _ r s _ h _ v _ f _ _ n d _ _ s _ l _ t _ _ n .
T h _ y _ s _ y _ p _ _ n t _ n g _ n _ b l _ d _ b l _ c k _ c _ _ l d _ h _ l
p _ b _ r d s _ s _ _ t h _ r _ t _ t _ n g _ b l _ d _ s . T h _ s _ c _ _ l d
c _ t _ b _ r d _ s _ t r _ k _ s _ b _ y _ _ p _ t _ 7 0 _ p _ r _ c _ n t .
R _ s _ _ r c h _ r _ D r _ R _ _ l _ M _ y _ s _ _ d : " T h _ c _ l l _ s _ _
n _ f _ b _ r d s . . . _ s _ n _ f _ t h _ m _ _ n _ n v _ r _ n m _ n t _ l
c _ n c _ r n s _ r _ l _ t _ d _ t _ w _ n d _ n _ r g y _ d _ v _ l _ p _ m _ n t . "
T h _ f _ n d _ n g s _ f _ t h _ r _ s _ _ r c h _ h _ v _ b _ _ n _ p _ b
l _ s _ h _ d _ n _ t h _ c _ n s _ r v _ t _ _ n _ j _ _ r n _ l _ " E c _ l _ g y
_ n d _ E v _ l _ t _ _ n " .

D r _ M _ y _ _ n d _ h _ s _ t _ _ m _ c _ n d _ c _ t _ d _ r _ s _ _ r c h _ _ n
h _ w _ t _ r _ d _ c _ t _ h _ d _ _ t h _ r _ t _ _ f _ b _ r d s _ d _ _ t _
w _ n d - t _ r b _ n _ b l _ d _ s . T h _ y _ p _ _ n t _ d _ n _ b l _ d _
_ f _ f _ _ r _ d _ f f _ r _ n t _ t _ r b _ n _ s _ b l _ c k . T h _ d _ t _ s
h _ w _ d _ t h _ t _ _ v _ r _ f _ _ r _ y _ _ r s , t h _ t _ r b _ n _ s _ w _ t
h _ n _ b l _ c k _ b l _ d _ s _ w _ _ r _ d _ c _ t _ _ n _ n _ b _ r d _ d _ _
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F _ w _ _ f _ f _ c _ t _ v _ m _ _ s _ r _ s _ h _ v _ b _ _ n _ d _ v _ l _ p _ d _ t _
r _ d _ c _ t _ h _ r _ s _ k _ _ f _ c _ l l _ s _ _ n . " T h _ R _ S _ P _ B , _
b _ r d _ p r _ t _ c _ t _ _ n _ g r _ _ p , w _ l _ c _ m _ d _ t h _ d _ _ . I
t _ s _ t r _ s _ s _ d _ t h _ _ m _ p _ r _ t _ n _ c _ _ f _ w _ n d _ f _ r m s _ n _ _
d _ n g _ t _ " t _ k _ p l _ c _ _ n _ h _ r m _ n y _ w _ t h _ n _ t _ r _ " .
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h _ m . " I t _ s _ _ d _ w _ n d _ f _ r m s _ s h _ _ l d _ b _ p _ t
_ n _ p l _ c _ s _ w h _ r _ t h _ r _ _ s _ l _ t t l _ r _ s _ k _ t _ w _ l d
l _ f _ .

PUNCTUATE THE TEXT AND ADD CAPITALS

From <https://breakingnewsenglish.com/2008/200829-wind-turbine.html>

there are many advantages of wind turbines and wind farms they are important in providing green energy however there are also some disadvantages one of these is that the giant blades on turbines kill thousands of birds many birds accidentally fly into the blades and die researchers have found a solution they say painting one blade black could help birds see the rotating blades this could cut bird strikes by up to 70 per cent researcher dr roel may said the collision of birds is one of the main environmental concerns related to wind energy development the findings of the research have been published in the conservation journal ecology and evolution

dr may and his team conducted research on how to reduce the death rate of birds due to wind turbine blades they painted one blade of four different turbines black the data showed that over four years the turbines with one black blade saw a reduction in bird deaths of over 71 per cent dr may said few effective measures have been developed to reduce the risk of collision the rspb a bird protection group welcomed the idea it stressed the importance of wind farms needing to take place in harmony with nature it added wind turbines are the right technology when we find the right places for them it said wind farms should be put in places where there is little risk to wildlife

PUT A SLASH (/) WHERE THE SPACES ARE

From <https://breakingnewsenglish.com/2008/200829-wind-turbine.html>

There are many advantages of wind turbines and wind farms. They are important in providing green energy. However, there are also some disadvantages. One of these is that the giant blades on turbines kill thousands of birds. Many birds accidentally fly into the blades and die. Researchers have found a solution. They say painting one blade black could help birds see the rotating blades. This could cut bird strikes by up to 70 percent. Researcher Dr Roel Mays said: "The collision of birds... is one of the main environmental concerns related to wind energy development." The findings of the research have been published in the conservation journal "Ecology and Evolution". Dr Mays and his team conducted research on how to reduce the death rate of birds due to wind-turbine blades. They painted one blade of four on different turbines black. The data showed that over four years, the turbines with one black blade saw a reduction in bird deaths of over 71 percent. Dr Mays said: "Few effective measures have been developed to reduce the risk of collision." The RSPB, a bird protection group, welcomed the idea. It stressed the importance of wind farms needing to "take place in harmony with nature". It added: "Wind turbines are the right technology when we find them in the right places for them." It said wind farms should be put in places where there is little risk to wildlife.

HOMework

1. VOCABULARY EXTENSION: Choose several of the words from the text. Use a dictionary or Google's search field (or another search engine) to build up more associations / collocations of each word.

2. INTERNET: Search the Internet and find out more about this news story. Share what you discover with your partner(s) in the next lesson.

3. WIND TURBINES: Make a poster about wind turbines. Show your work to your classmates in the next lesson. Did you all have similar things?

4. BEAUTY: Write a magazine article about banning wind turbines in places of natural beauty. Include imaginary interviews with people who are for and against this.

Read what you wrote to your classmates in the next lesson. Write down any new words and expressions you hear from your partner(s).

5. WHAT HAPPENED NEXT? Write a newspaper article about the next stage in this news story. Read what you wrote to your classmates in the next lesson. Give each other feedback on your articles.

6. LETTER: Write a letter to an expert on wind turbines. Ask him/her three questions about them. Give him/her three of your opinions on wind farms. Read your letter to your partner(s) in your next lesson. Your partner(s) will answer your questions.

ANSWERS

VOCABULARY (p.4)

1. e 2. c 3. b 4. f 5. a 6. g 7. d
8. n 9. h 10. k 11. m 12. i 13. l 14. j

TRUE / FALSE (p.5)

- a F b T c T d F e T f T g F h T

SYNONYM MATCH (p.5)

1. h	2. d	3. j	4. f	5. b
6. g	7. a	8. i	9. e	10. c

COMPREHENSION QUESTIONS (p.9)

- Many
- Thousands
- Up to 70%
- The collision of birds
- A journal
- Four
- Four
- A bird protection group
- Nature
- Wildlife

WORDS IN THE RIGHT ORDER (p.20)

- There are many advantages of wind turbines.
- They are important in providing green energy.
- Giant blades on turbines kill thousands of birds.
- Painting one blade black could help birds see.
- Main environmental concerns related to wind energy.
- How to reduce the death rate of birds.
- They painted one blade of four different turbines.
- Measures have been developed to reduce the risk.
- Needing to take place in harmony with nature
- Places where there is little risk to wildlife.

MULTIPLE CHOICE - QUIZ (p.10)

1. b 2. c 3. d 4. b 5. a 6. a 7. d 8. c 9. d 10. b

ALL OTHER EXERCISES

Please check for yourself by looking at the Article on page 2.
(It's good for your English ;-)