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Level 3

Seriously powerful weather satellite put into space

23rd November, 2016

<http://www.breakingnewsenglish.com/1611/161123-weather-forecast.html>

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

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THE ARTICLE

From <http://www.BreakingNewsEnglish.com/1611/161123-weather-forecast.html>

The USA has put into space the world's most advanced and powerful weather satellite. Scientists say it will revolutionize how we predict the weather and how we look at weather events. The National Oceanic and Atmospheric Administration (NOAA) said its \$1 billion Geostationary Operational Environmental Satellite (GOES-R) will take weather photographs five times faster than other satellites, and with four times higher image quality. The NOAA said: "Without a doubt, GOES-R will revolutionize weather forecasting as we know it." A weather forecaster said the difference in the speed and quality of the satellite's images is like the difference between old black and white TV pictures and today's HD televisions.

The new satellite will give us powerful, real-time images and information. These will make the world a safer place. Airline pilots will receive better data to stay away from turbulence. The satellite will be able to zoom in on severe weather events to get much more detailed and accurate pictures. This will help emergency services to warn people more quickly and reduce the costs to human life and property. People will have better information about hurricanes, tornadoes, flooding, volcanic ash clouds, and wildfires. A scientist at the NOAA said: "It will give the weather as it's looking now rather than the weather that happened 15 to 30 minutes ago." The NOAA said weather forecasters couldn't wait to use it.

Sources: <http://spaceflightnow.com/2016/11/20/atlas-5-launches-the-most-advanced-u-s-weather-satellite-in-history/>
<http://www.cbsnews.com/news/high-power-weather-satellite-set-for-launch/>
<http://www.bbc.com/news/technology-38050916>

WARM-UPS

1. WEATHER FORECASTS: Students walk around the class and talk to other students about weather forecasts. 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?

advanced / powerful / predict / environmental / image / quality / difference / HD TV / real-time information / pilots / turbulence / accurate / property / flooding / hurricanes

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

3. \$1 BILLION: Students A **strongly** believe spending \$1 billion on a satellite is good; Students B **strongly** believe the money should have been spent on health and education. Change partners again and talk about your conversations.

4. WEATHER: What are the good and bad things about these types of weather? Complete this table with your partner(s). Change partners often and share what you wrote.

	Good	Bad
Rain		
Strong wind		
Snow		
Heat wave		
Fog		
Sunshine		

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

6. WEATHER EVENTS: Rank these with your partner. Put the most dangerous at the top. Change partners often and share your rankings.

- hurricane
- blizzard
- heat wave
- flood
- landslide
- drought
- dust storm
- wildfires

BEFORE READING / LISTENING

From <http://www.BreakingNewsEnglish.com/1611/161123-weather-forecast.html>

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

- a. Scientists say the satellite will cause a revolution in space. **T / F**
- b. The satellite cost a billion dollars. **T / F**
- c. The satellite can take photos ten times faster than other satellites. **T / F**
- d. The pictures from the satellite are like those from black and white TVs. **T / F**
- e. The satellite will give us real-time photos of the weather. **T / F**
- f. The satellite will help airplanes to avoid turbulence. **T / F**
- g. We will not have to rely on weather information that is 15 minutes old. **T / F**
- h. Weather forecasters will wait patiently to use the satellite. **T / F**

2. SYNONYM MATCH:

Match the following synonyms. The words in **bold** are from the news article.

- | | |
|-------------------------|---------------|
| 1. advanced | a. lower |
| 2. revolutionize | b. picture |
| 3. quality | c. occurred |
| 4. image | d. gap |
| 5. difference | e. modern |
| 6. receive | f. rough air |
| 7. turbulence | g. excellence |
| 8. reduce | h. buildings |
| 9. property | i. get |
| 10. happened | j. transform |

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

- | | |
|---------------------------------------|------------------------|
| 1. it will revolutionize how we | a. turbulence |
| 2. weather | b. TV pictures |
| 3. four times higher image | c. doubt |
| 4. Without a | d. time images |
| 5. old black and white | e. services |
| 6. give us powerful, real- | f. events |
| 7. stay away from | g. in |
| 8. The satellite will be able to zoom | h. predict the weather |
| 9. emergency | i. to use it |
| 10. forecasters couldn't wait | j. quality |

GAP FILL

From <http://www.BreakingNewsEnglish.com/1611/161123-weather-forecast.html>

The USA has put into space the world's most (1) _____ and powerful weather satellite. Scientists say it will revolutionize how we (2) _____ the weather and how we look at weather events. The National Oceanic and Atmospheric Administration (NOAA) said its \$1 (3) _____ Geostationary Operational Environmental Satellite (GOES-R) will take weather photographs five times (4) _____ than (5) _____ satellites, and with four times higher image quality. The NOAA said: "Without a (6) _____, GOES-R will revolutionize weather forecasting as we know it." A weather forecaster said the difference in the speed and (7) _____ of the satellite's images is like the difference between old black and white TV pictures and (8) _____ HD televisions.

faster
quality
advanced
billion
today's
other
predict
doubt

The new satellite will give us powerful, (9) _____-time images and information. These will make the world a (10) _____ place. Airline pilots will receive better data to stay away from (11) _____. The satellite will be able to zoom in on severe weather events to get much more detailed and (12) _____ pictures. This will help emergency services to warn people more quickly and reduce the costs to human life and (13) _____. People will have better information about hurricanes, tornadoes, (14) _____, volcanic ash clouds, and wildfires. A scientist at the NOAA said: "It will give the weather as it's looking now (15) _____ than the weather that happened 15 to 30 minutes (16) _____." The NOAA said weather forecasters couldn't wait to use it.

turbulence
flooding
real
ago
safer
accurate
rather
property

LISTENING – Guess the answers. Listen to check.

From <http://www.BreakingNewsEnglish.com/1611/161123-weather-forecast.html>

- 1) how we predict the weather and how we look at _____
 - a. weather event
 - b. weathers events
 - c. weathered events
 - d. weather events
- 2) five times faster than other satellites, and with four times higher _____
 - a. images qualities
 - b. image quality
 - c. image qualities
 - d. images quality
- 3) Without a doubt, GOES-R will revolutionize weather forecasting _____
 - a. was we know it
 - b. has we know it
 - c. as we know it
 - d. is we know it
- 4) the difference in the speed and quality of the _____
 - a. satellite's imaged
 - b. satellite's images
 - c. satellite is image
 - d. satellite is images
- 5) the difference between old black and white TV pictures and _____ televisions
 - a. todays HD
 - b. today's HD
 - c. todays' HD
 - d. two day's HD
- 6) Airline pilots will receive better data to stay away _____
 - a. from turbulence
 - b. from turbans
 - c. from trampolines
 - d. from tumblers
- 7) zoom in on severe weather events to get much more detailed and _____
 - a. accuracy pictures
 - b. accurate picture
 - c. accuracy picture
 - d. accurate pictures
- 8) warn people more quickly and reduce the costs to human _____
 - a. live and properties
 - b. life and property
 - c. live and propertied
 - d. life and propertied
- 9) information about hurricanes, tornadoes, flooding, volcanic ash _____ wildfires
 - a. clouds, and
 - b. shrouds, and
 - c. shards, and
 - d. crowds, and
- 10) The NOAA said weather forecasters couldn't _____
 - a. wait to used it
 - b. wait to use them
 - c. waits to use it
 - d. wait to use it

LISTENING – Listen and fill in the gaps

From <http://www.BreakingNewsEnglish.com/1611/161123-weather-forecast.html>

The USA has (1) _____ the world's most advanced and powerful weather satellite. Scientists say it will revolutionize how we predict the weather and (2) _____ weather events. The National Oceanic and Atmospheric Administration (NOAA) (3) _____ Geostationary Operational Environmental Satellite (GOES-R) will take weather photographs five (4) _____ other satellites, and with four times higher image quality. The NOAA said: "Without a doubt, GOES-R will revolutionize weather forecasting (5) _____." A weather forecaster said the difference in the speed and quality of the satellite's (6) _____ the difference between old black and white TV pictures and today's HD televisions.

The new satellite will give us powerful, (7) _____ and information. These will make the world a safer place. Airline pilots will receive better (8) _____ away from turbulence. The satellite will be able (9) _____ severe weather events to get much more detailed and accurate pictures. This will help emergency services to warn people more quickly and reduce the (10) _____ life and property. People will have better information about hurricanes, tornadoes, flooding, volcanic ash (11) _____. A scientist at the NOAA said: "It will give the weather as it's looking now rather than the weather that happened 15 to 30 minutes ago." The NOAA said weather forecasters couldn't (12) _____.

COMPREHENSION QUESTIONS

From <http://www.BreakingNewsEnglish.com/1611/161123-weather-forecast.html>

1. Which country launched the satellite?
2. How much did the satellite cost?
3. How much faster are the satellite's photos than those of other satellites?
4. How many times better is the image quality?
5. What did a weather forecaster compare today's HD televisions to?
6. What will be a safer place because of the satellite's images?
7. What will the satellite help airplanes to avoid?
8. What kind of weather events will the satellite zoom in on?
9. What kind of ash was mentioned in the article?
10. Who can't wait to use the satellite?

MULTIPLE CHOICE - QUIZ

From <http://www.BreakingNewsEnglish.com/1611/161123-weather-forecast.html>

- 1) Which country launched the satellite?
 - a) China
 - b) UAE
 - c) USA
 - d) EU
- 2) How much did the satellite cost?
 - a) \$1 billion
 - b) \$1 million
 - c) \$1 trillion
 - d) \$1 quadrillion
- 3) How much faster are the satellite's photos than those of other satellites?
 - a) 4 times faster
 - b) 3.5 times faster
 - c) 3 times faster
 - d) 5 times faster
- 4) How many times better is the image quality?
 - a) 4.5 times
 - b) 4 times
 - c) 3.5 times
 - d) 5 times
- 5) What did a weather forecaster compare today's HD televisions to?
 - a) paper
 - b) telescopes
 - c) black and white TV
 - d) iPhones
- 6) What will be a safer place because of the satellite's images?
 - a) TVs
 - b) the world
 - c) space
 - d) weather forecasters
- 7) What will the satellite help airplanes to avoid?
 - a) crashes
 - b) terrorism
 - c) high oil prices
 - d) turbulence
- 8) What kind of weather events will the satellite zoom in on?
 - a) cloudy ones
 - b) severe ones
 - c) good ones
 - d) colourful ones
- 9) What kind of ash was mentioned in the article?
 - a) volcanic ash
 - b) cigarette ash
 - c) hot ash
 - d) burnt ash
- 10) Who can't wait to use the satellite?
 - a) NASA
 - b) John
 - c) astronauts
 - d) weather forecasters

ROLE PLAY

From <http://www.BreakingNewsEnglish.com/1611/161123-weather-forecast.html>

Role A – Hurricanes

You think hurricanes are the most dangerous weather events. Tell the others three reasons why. Tell them why their weather events aren't so dangerous. Also, tell the others which is the least dangerous of these (and why): heat waves, floods or wildfires.

Role B – Heat Waves

You think heat waves are the most dangerous weather events. Tell the others three reasons why. Tell them why their weather events aren't so dangerous. Also, tell the others which is the least dangerous of these (and why): hurricanes, floods or wildfires.

Role C – Floods

You think floods are the most dangerous weather events. Tell the others three reasons why. Tell them why their weather events aren't so dangerous. Also, tell the others which is the least dangerous of these (and why): heat waves, hurricanes or wildfires.

Role D – Wildfires

You think wildfires are the most dangerous weather events. Tell the others three reasons why. Tell them why their weather events aren't so dangerous. Also, tell the others which is the least dangerous of these (and why): heat waves, floods or hurricanes.

AFTER READING / LISTENING

From <http://www.BreakingNewsEnglish.com/1611/161123-weather-forecast.html>

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

weather	event

- 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">• most• billion• five• doubt• speed• HD	<ul style="list-style-type: none">• real• place• zoom• costs• ash• wait
--	--

WEATHER FORECASTS SURVEY

From <http://www.BreakingNewsEnglish.com/1611/161123-weather-forecast.html>

Write five GOOD questions about weather forecasts 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.

WEATHER FORECASTS DISCUSSION

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

1. What did you think when you read the headline?
2. What springs to mind when you hear the word 'weather'?
3. What's your favourite weather, and why?
4. What weather do you hate the most?
5. How is the world's weather changing?
6. How important are weather forecasts to you?
7. What do you think about what you read?
8. How do you think the new satellite will change our life?
9. What has the weather been like recently?
10. What's the worst weather you've ever known?

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WEATHER FORECASTS 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 weather forecasts on TV?
13. Do you have a favourite weather forecaster?
14. How useful are weather apps?
15. What do you think of air turbulence in airplanes?
16. How can people better survive a hurricane?
17. What can people do to keep safe during floods?
18. What do you think of photos of weather events?
19. What does a weather forecaster do all day?
20. What questions would you like to ask the scientists?

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 <http://www.BreakingNewsEnglish.com/1611/161123-weather-forecast.html>

The USA has put (1) _____ space the world's most advanced and powerful weather satellite. Scientists say it will revolutionize how we (2) _____ the weather and how we look at weather events. The National Oceanic and Atmospheric Administration (NOAA) said its \$1 billion Geostationary Operational Environmental Satellite (GOES-R) will (3) _____ weather photographs five times faster than other satellites, and with four times higher image (4) _____. The NOAA said: "Without a doubt, GOES-R will revolutionize weather forecasting (5) _____ we know it." A weather forecaster said the difference in the speed and quality of the satellite's images is like the difference between old black and white TV pictures and (6) _____ HD televisions.

The new satellite will give us powerful, (7) _____-time images and information. These will make the world a safer place. Airline pilots will receive better data to stay away from turbulence. The satellite will be able to zoom (8) _____ on severe weather events to get much more detailed and accurate pictures. This will help emergency services to warn people more quickly and reduce the (9) _____ to human life and (10) _____. People will have better information about hurricanes, tornadoes, flooding, volcanic ash clouds, and wildfires. A scientist at the NOAA said: "It will give the weather (11) _____ it's looking now rather than the weather that happened 15 to 30 minutes ago." The NOAA said weather forecasters couldn't (12) _____ to use it.

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

- | | | | | |
|-----|--------------|------------------|--------------|----------------|
| 1. | (a) ante | (b) onto | (c) unto | (d) into |
| 2. | (a) precinct | (b) dictate | (c) predate | (d) predict |
| 3. | (a) fake | (b) take | (c) bake | (d) make |
| 4. | (a) qualify | (b) quantity | (c) quality | (d) quash |
| 5. | (a) was | (b) is | (c) as | (d) has |
| 6. | (a) today's | (b) two days | (c) todays' | (d) todays' |
| 7. | (a) really | (b) real | (c) reality | (d) realism |
| 8. | (a) in | (b) up | (c) at | (d) with |
| 9. | (a) prices | (b) costs | (c) benefits | (d) expenses |
| 10. | (a) properly | (b) prosperously | (c) property | (d) propelling |
| 11. | (a) has | (b) was | (c) as | (d) is |
| 12. | (a) hold | (b) endure | (c) patient | (d) wait |

SPELLING

From <http://www.BreakingNewsEnglish.com/1611/161123-weather-forecast.html>

Paragraph 1

1. denaadcv and powerful weather satellite
2. how we reitdpc the weather
3. \$1 binlilo
4. Without a dutbo
5. four times higher igeam quality
6. the edferfcnie in the speed and quality

Paragraph 2

7. Airline tlospi
8. stay away from rtuebeclnu
9. vseere weather events
10. more detailed and ctaarecu pictures
11. the costs to human life and ptreopyr
12. hurricanes, tornadoes, lgdifoan...

PUT THE TEXT BACK TOGETHER

From <http://www.BreakingNewsEnglish.com/1611/161123-weather-forecast.html>

Number these lines in the correct order.

- () place. Airline pilots will receive better data to stay away from turbulence. The satellite will be able to zoom
- () how we predict the weather and how we look at weather events. The National Oceanic and Atmospheric
- (**1**) The USA has put into space the world's most advanced and powerful weather satellite. Scientists say it will revolutionize
- () services to warn people more quickly and reduce the costs to human life and property. People will have better
- () at the NOAA said: "It will give the weather as it's looking now rather than the weather that happened 15
- () between old black and white TV pictures and today's HD televisions.
- () take weather photographs five times faster than other satellites, and with four times higher image
- () The new satellite will give us powerful, real-time images and information. These will make the world a safer
- () to 30 minutes ago." The NOAA said weather forecasters couldn't wait to use it.
- () Administration (NOAA) said its \$1 billion Geostationary Operational Environmental Satellite (GOES-R) will
- () it." A weather forecaster said the difference in the speed and quality of the satellite's images is like the difference
- () in on severe weather events to get much more detailed and accurate pictures. This will help emergency
- () quality. The NOAA said: "Without a doubt, GOES-R will revolutionize weather forecasting as we know
- () information about hurricanes, tornadoes, flooding, volcanic ash clouds, and wildfires. A scientist

PUT THE WORDS IN THE RIGHT ORDER

From <http://www.BreakingNewsEnglish.com/1611/161123-weather-forecast.html>

1. The satellite weather powerful and advanced most world's .
2. the predict we how revolutionize will It weather .
3. GOES-R will photographs faster weather times take five .
4. we forecasting know as it GOES-R will weather revolutionize .
5. and pictures HD black TV today's Old white and televisions .
6. powerful us give will satellite new The images time - real , .
7. the make will These place safer a world .
8. This people warn to services emergency help will .
9. it's give looking the now weather It as will .
10. couldn't to it forecasters wait use Weather .

CIRCLE THE CORRECT WORD (20 PAIRS)

From <http://www.BreakingNewsEnglish.com/1611/161123-weather-forecast.html>

The USA has put *into / onto* space the world's most advanced and powerful weather satellite. Scientists say it will revolutionize *how / now* we predict the weather and how we *look / watch* at weather events. The National Oceanic and Atmospheric Administration (NOAA) said *its / that's* \$1 billion Geostationary Operational Environmental Satellite (GOES-R) will take weather photographs five times faster than *another / other* satellites, and with four times higher image *quantity / quality*. The NOAA said: "Without a *doubt / rout*, GOES-R will revolutionize weather forecasting as we know *it / them*." A weather forecaster said the difference *in / on* the speed and quality of the satellite's images is like the difference *among / between* old black and white TV pictures and today's HD televisions.

The new satellite will give *us / they* powerful, real-time images and information. These will make *the / a* world a safer place. Airline pilots will receive better data to stay away *for / from* turbulence. The satellite will be able to zoom *in / up* on severe weather events to get much more detailed and *accuracy / accurate* pictures. This will help emergency services to *warn / warm* people more quickly and reduce the costs to human *live / life* and property. People will have better information *about / around* hurricanes, tornadoes, flooding, volcanic ash clouds, and wildfires. A scientist at the NOAA said: "It will give the weather as it's looking now *prefer / rather* than the weather that happened 15 to 30 minutes ago." The NOAA said weather forecasters couldn't *wait / await* to use it.

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 <http://www.BreakingNewsEnglish.com/1611/161123-weather-forecast.html>

Th_ _S_ h_s p_t _nt_ sp_c_ th_ w_rld's m_st _dv_nc_d
_nd p_w_rf_l w__th_r s_t ll_t_. Sc__nt sts s_y _t w_ll
r_v_l_t__n z_ h_w w_ pr_d_ct th_ w__th_r nd h_w w_
l__k _t w__th_r _v_nts. Th_ N_t__n_l _c__n_c _nd
_tm_sph_r_c _dm_n str_t__n (N___) s__d _ts \$1
b_ll__n G__st_t__n ry _p_r_t__n_l _nv_r_nm_nt_l
S_t_ll_t_ (G__S-R) w_ll t_k_ w__th_r ph_t_gr_phs f_v_
t_m_s f_st_r th_n _th_r s_t ll_t_s, _nd w_th f__r
t_m_s h_gh_r _m_g_ q__l_ty. Th_ N__ _s__d:
"W_th__t _d__bt, G__S-R w_ll r_v_l_t__n z_ w__th_r
f_r_c_st_ng _s w_kn_w_t." _w__th_r f_r_c_st_r s__d
th_ d_ff_r_nc_ _n th_ sp__d _nd q__l_ty _f th_
s_t ll_t_'s _m_g_s _s l_k_ th_ d_ff_r_nc_ b_tw__n ld
bl_ck _nd wh_t_ TV p_ct_r_s _nd t_d_y's HD
t_l_v_s__ns.

Th_ n_w s_t ll_t_ w_ll g_v_ _s p_w_rf_l, r__l-t_m_
_m_g_s _nd _nf_rm_t__n. Th_s w_ll m_k_ th_ w_rld _
s_f_r pl_c_. __rl_n_p_l ts w_ll r_c__v_b_tt_r d_t_t_
st_y _w_y fr_m t_rb_l_nc_. Th_ s_t ll_t_ w_ll b__bl_
t_z__m _n _n s_v_r_ w__th_r _v_nts t_g_t m_ch
m_r_d_t__l_d _nd _cc_r_t_ p_ct_r_s. Th_s w_ll h_lp
_m_rgncy s_rvc_s t_w_rn p__pl_ m_r_q__ckly _nd
r_d_c_ th_ c_sts t_h_m_n l_f__nd pr_p_rty. P__pl_
w_ll h_v_ b_tt_r _nf_rm_t__n _b__t h_rr_c_n_s,
t_rn_d__s, fl__d_ng, v_l_c_n_c _sh cl__ds, _nd
w_ldf_r_s. _sc__nt_st_t th_ N__ _s__d: "_t w_ll g_v_
th_ w__th_r _s_t's l_k_ng n_w r_th_r th_n th_
w__th_r th_t h_pp_n_d 15 t_ 30 m_n_t_s _g_." Th_
N__ _s__d w__th_r f_r_c_st_r_s c__ldn't w__t t__s_
_t.

PUNCTUATE THE TEXT AND ADD CAPITALS

From <http://www.BreakingNewsEnglish.com/1611/161123-weather-forecast.html>

the usa has put into space the world's most advanced and powerful weather satellite scientists say it will revolutionize how we predict the weather and how we look at weather events the national oceanic and atmospheric administration (noaa) said its \$1 billion geostationary operational environmental satellite (goes-r) will take weather photographs five times faster than other satellites and with four times higher image quality the noaa said "without a doubt goes-r will revolutionize weather forecasting as we know it" a weather forecaster said the difference in the speed and quality of the satellite's images is like the difference between old black and white tv pictures and today's hd televisions

the new satellite will give us powerful real-time images and information these will make the world a safer place airline pilots will receive better data to stay away from turbulence the satellite will be able to zoom in on severe weather events to get much more detailed and accurate pictures this will help emergency services to warn people more quickly and reduce the costs to human life and property people will have better information about hurricanes tornadoes flooding volcanic ash clouds and wildfires a scientist at the noaa said "it will give the weather as it's looking now rather than the weather that happened 15 to 30 minutes ago" the noaa said weather forecasters couldn't wait to use it

PUT A SLASH (/) WHERE THE SPACES ARE

From <http://www.BreakingNewsEnglish.com/1611/161123-weather-forecast.html>

The USA has put into space the world's most advanced and powerful weather satellite. Scientists say it will revolutionize how we predict the weather and how we look at weather events. The National Oceanic and Atmospheric Administration (NOAA) said its \$1 billion Geostationary Operational Environmental Satellite (GOES-R) will take weather photographs five times faster than other satellites, and with four times higher image quality. The NOAA said: "Without a doubt, GOES-R will revolutionize weather forecasting as we know it." A weather forecaster said the difference in the speed and quality of the satellite's images is like the difference between old black and white TV pictures and today's HD televisions. The new satellite will give us powerful, real-time images and information. These will make the world a safer place. Airline pilots will receive better data to stay away from turbulence. The satellite will be able to zoom in on severe weather events to get much more detailed and accurate pictures. This will help emergency services to warn people more quickly and reduce the cost to human life and property. People will have better information about hurricanes, tornadoes, flooding, volcanic ash clouds, and wildfires. A scientist at the NOAA said: "It will give the weather as it's looking now rather than the weather that happened 15 to 30 minutes ago." The NOAA said weather forecasters couldn't wait to use it.

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. Share what you discover with your partner(s) in the next lesson.

3. WEATHER FORECASTS: Make a poster about weather forecasts. Show your work to your classmates in the next lesson. Did you all have similar things?

4. WEATHER SATELLITE: Write a magazine article about the new weather satellite. Include imaginary interviews with the scientists who made it.

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 weather forecasts. Ask him/her three questions about them. Give him/her three of your ideas on why weather forecasts are so important. Read your letter to your partner(s) in your next lesson. Your partner(s) will answer your questions.

ANSWERS

TRUE / FALSE (p.4)

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

SYNONYM MATCH (p.4)

- | | |
|------------------|---------------|
| 1. advanced | a. modern |
| 2. revolutionize | b. transform |
| 3. quality | c. excellence |
| 4. image | d. picture |
| 5. difference | e. gap |
| 6. receive | f. get |
| 7. turbulence | g. rough air |
| 8. reduce | h. lower |
| 9. property | i. buildings |
| 10. happened | j. occurred |

COMPREHENSION QUESTIONS (p.8)

1. The USA
2. \$1 billion
3. Five times
4. Four times
5. Black and white TVs
6. The world
7. Turbulence
8. Severe weather events
9. Volcanic ash
10. Weather forecasters

MULTIPLE CHOICE - QUIZ (p.9)

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

ALL OTHER EXERCISES

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