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**Level 5** – 12th September, 2019

## Asteroid rock layers reveal how the dinosaurs died

**FREE** online quizzes, mp3 listening and more for this lesson here:

<https://breakingnewsenglish.com/1909/190912-dinosaurs-5.html>

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Please try Levels 4 and 6. They are (a little) harder.

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# THE READING

From <https://breakingnewsenglish.com/1909/190912-dinosaurs-5.html>

Scientists have unearthed details of how the dinosaurs died out 65 million years ago. Geophysicists are analyzing rock formations in a crater under the seabed off Mexico. The rocks were created from the cataclysmic impact of a gigantic asteroid hitting Earth. Scientists say the rock layers reveal a step-by-step account of the destruction that happened after the impact. Rocks and sediment settled on top of each other in revealing layers. A geophysicist said: "It tells us what went on inside the crater on that day of doom that killed the dinosaurs. All of this mayhem is recorded in the core."

Scientists say the asteroid was up to four kilometers wide. It smashed into the ocean and created a hole 160kms wide and 20kms deep. This started a chain reaction of earthquakes, tsunami, landslides and fires that forever changed the geology of Earth. It also killed off the dinosaurs. The asteroid's impact hurled out rocks and created a huge crater. Molten rock fell back into the crater, which was then filled with ocean water. This water was full of soil, vegetation, animal life and other debris. It took a few hours to settle in layers ready for scientists to analyze millions of years later.

Sources: <https://www.foxnews.com/science/scientists-uncover-new-evidence-of-the-asteroid-that-killed-off-the-dinosaurs>  
<https://gizmodo.com/ancient-rock-reveals-shocking-first-day-after-dinosaur-1837991356>  
<https://www.thesun.co.uk/tech/9894621/apocalyptic-asteroid-dinosaurs-study/>

# PHRASE MATCHING

From <https://breakingnewsenglish.com/1909/190912-dinosaurs-5.html>

## PARAGRAPH ONE:

- |                               |                         |
|-------------------------------|-------------------------|
| 1. how the dinosaurs          | a. on inside the crater |
| 2. a crater under the seabed  | b. asteroid             |
| 3. a gigantic                 | c. is recorded          |
| 4. a step-by-step             | d. off Mexico           |
| 5. Rocks and sediment settled | e. of doom              |
| 6. It tells us what went      | f. account              |
| 7. on that day                | g. on top               |
| 8. All of this mayhem         | h. died out             |

## PARAGRAPH TWO:

- |                                  |                     |
|----------------------------------|---------------------|
| 1. It smashed into the ocean and | a. to settle        |
| 2. This started a chain          | b. water            |
| 3. forever changed the           | c. of years later   |
| 4. Molten rock fell back         | d. geology of Earth |
| 5. filled with ocean             | e. created a hole   |
| 6. animal life and               | f. into the crater  |
| 7. It took a few hours           | g. other debris     |
| 8. analyze millions              | h. reaction         |

# LISTEN AND FILL IN THE GAPS

From <https://breakingnewsenglish.com/1909/190912-dinosaurs-5.html>

Scientists (1) \_\_\_\_\_ of how the dinosaurs died out 65 million years ago. Geophysicists are analyzing rock (2) \_\_\_\_\_ crater under the seabed off Mexico. The rocks were created from the cataclysmic impact of (3) \_\_\_\_\_ hitting Earth. Scientists say the rock layers (4) \_\_\_\_\_-by-step account of the destruction that happened after the impact. Rocks and sediment (5) \_\_\_\_\_ of each other in revealing layers. A geophysicist said: "It tells us what went on inside the crater on that day of (6) \_\_\_\_\_ the dinosaurs. All of this mayhem is recorded in the core."

Scientists say the (7) \_\_\_\_\_ to four kilometers wide. It smashed into the ocean and created a hole 160kms wide and 20kms deep. This started (8) \_\_\_\_\_ of earthquakes, tsunami, landslides and fires that forever (9) \_\_\_\_\_ of Earth. It also killed off the dinosaurs. The asteroid's (10) \_\_\_\_\_ rocks and created a huge crater. Molten rock fell back into the crater, which was then filled with ocean water. This water was (11) \_\_\_\_\_, vegetation, animal life and other debris. It took a few hours to settle in layers ready for scientists (12) \_\_\_\_\_ of years later.

# PUT A SLASH ( / ) WHERE THE SPACES ARE

From <https://breakingnewsenglish.com/1909/190912-dinosaurs-5.html>

Scientists have unearthed details of how the dinosaurs died out 65 million years ago. Geophysicists are analyzing rock formations in a crater under the seabed off Mexico. The rocks were recreated from the cataclysmic impact of a gigantic asteroid hitting Earth. Scientists say the rock layers reveal a step-by-step account of the destruction that happened after the impact. Rocks and sediments settled on top of each other in revealing layers. A geophysicist said: "It tells us what went on inside the crater on that day of doom that killed the dinosaurs. All of this may have been recorded in the core." Scientists say the asteroid was up to four kilometers wide. It smashed into the ocean and created a hole 160 km wide and 20 km deep. This started a chain reaction of earthquakes, tsunamis, landslides and fires that forever changed the geology of Earth. It also killed off the dinosaurs. The asteroid's impact hurled out rocks and created a huge crater. Molten rock fell back into the crater, which was then filled with ocean water. This water was full of soil, vegetation, animal life and other debris. It took a few hours to settle in layers ready for scientists to analyze millions of years later.

# DINOSAURS SURVEY

From <https://breakingnewsenglish.com/1909/190912-dinosaurs-4.html>

Write five GOOD questions about dinosaurs 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.

## WRITE QUESTIONS & ASK YOUR PARTNER(S)

Student A: Do not show these to your speaking partner(s).

a) \_\_\_\_\_

b) \_\_\_\_\_

c) \_\_\_\_\_

d) \_\_\_\_\_

e) \_\_\_\_\_

f) \_\_\_\_\_

*Asteroid rock layers reveal how the dinosaurs died – 12th September, 2019*  
More free lessons at [breakingnewsenglish.com](http://breakingnewsenglish.com)

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## WRITE QUESTIONS & ASK YOUR PARTNER(S)

Student B: Do not show these to your speaking partner(s).

a) \_\_\_\_\_

b) \_\_\_\_\_

c) \_\_\_\_\_

d) \_\_\_\_\_

e) \_\_\_\_\_

f) \_\_\_\_\_

# WRITING

From <https://breakingnewsenglish.com/1909/190912-dinosaurs-5.html>

Write about **dinosaurs** for 10 minutes. Read and talk about your partner's paper.

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