

# PERIODICAL CICADAS ANSWERS

**Q1.** Retrieve and record information/identify key details from fiction and non-fiction.

Look at the opening paragraph (in the red box).

- a) Where in the world will you find periodical cicadas?
- b) Name the two insects they look like.

**A1.** a) North America.

b) Grasshoppers and locusts.

**Q2.** Retrieve and record information/identify key details from fiction and non-fiction.

- a) How many species of cicadas are periodical?
- b) Why are they called periodical?

**A2.** a) Seven.

b) Because of their strange 'time travelling' life cycle. They emerge after set periods of time.

**Q3.** Summarise main ideas from more than one paragraph.

Complete the grid below, selecting the information from the whole text.

**A3.**

Information	Number/size, etc.
The number of species of cicadas in the world.	3,000
How often periodical cicadas come out of the ground as adults.	Every 13 or 17 years
How long the adults live for.	A few weeks
The number of cicadas that emerge from each acre.	1.5 million
The exact temperature the ground is when they emerge.	17.9°C

**Q4.** Give/explain the meaning of words in context.

What does the word 'brood' mean when referring to periodical cicadas?

**A4.** This is a term used to describe a group of cicadas.

**Q5.** Explain how meaning is enhanced through choice of words and phrases.

How do headings such as 'Larval lifestyle' and 'Time machines' enhance the text?

**A5.** The writer makes the paragraphs interesting by giving them slightly humorous titles and uses words that refer to what the paragraph is about. It makes it more interesting than a short title like Larva or Time.

**Q6.** Explain how meaning is enhanced through choice of words and phrases.

What do you think the word 'generation' means in the section 'Worth the wait'?

**A6.** It means their offspring; the next brood (group) of cicadas.

**Q7.** Retrieve and record information/identify key details from fiction and non-fiction.

Look at the paragraph labelled 'Prime time'. Explain why they emerge at 13-year or 17-year intervals.

**A7.** It is because 13 and 17 are prime numbers so it is harder for animals with shorter life cycles that eat cicadas to evolve to be ready for when they emerge.

**Q8.** Retrieve and record information/identify key details from fiction and non-fiction.

How big are they?

**A8.** They are 2-3cm long, including their wings.

**Q9.** Retrieve and record information/identify key details from fiction and non-fiction.

Why does the speech bubble say 'Yawn! Is it that time already?!'?

**A9.** It is funny as it relates to the amount of time they spend underground.

**Q10.** Summarise main ideas from more than one paragraph.

Decide whether each statement is true or false, using the whole text. Write either True or False in the answer box.

**A10.**

Statement	True or false
All cicadas are periodical.	False
They only emerge every 13 or 17 years.	True
They are a type of insect.	True
One brood will emerge in 2024.	False
Adult periodical cicadas have a long life span.	False