

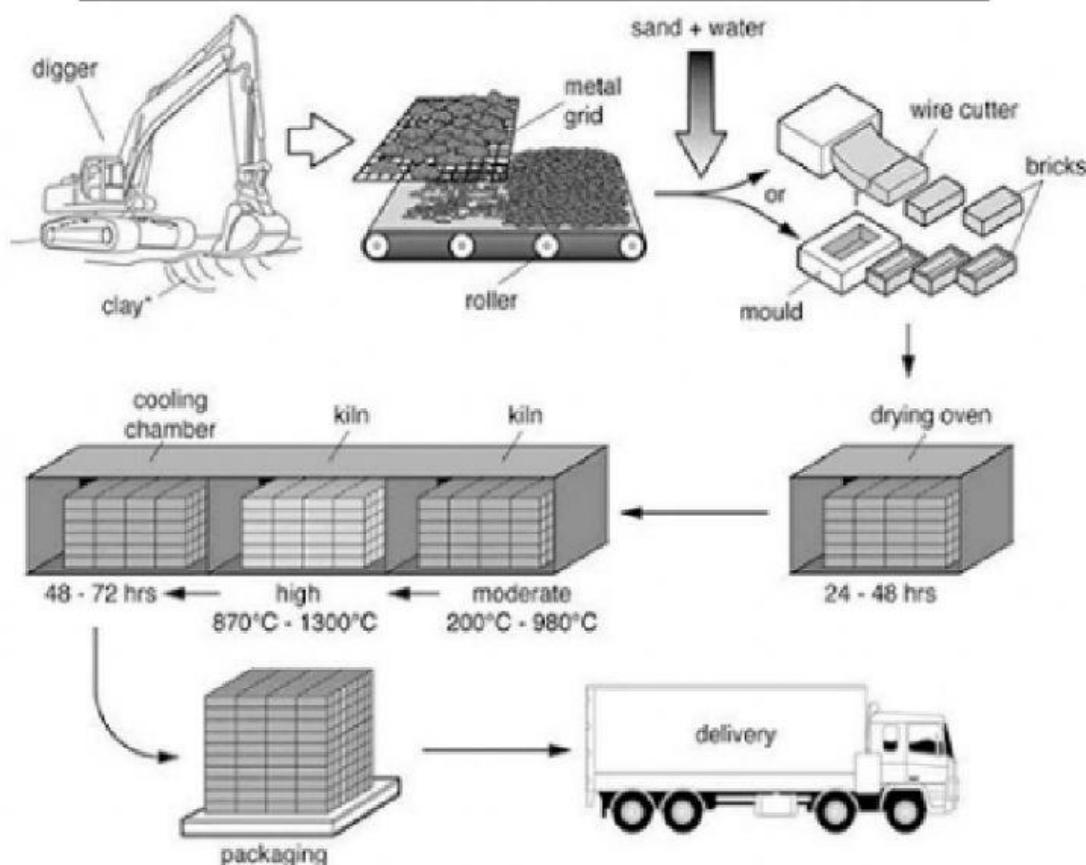
ACADEMIC WRITING - UNIT 4, SCIENCE, NOW AND IN THE FUTURE - LESSON 3

Stage 1_Unit 4_PCM 3

The diagram shows the process for manufacturing bricks in the building industry.

Summarize the information by selecting and reporting the main features and make comparisons where relevant.

Write at least 150 words.



The diagram explains the way in which bricks are made for the building industry. Overall, there are seven stages in the process, beginning with the digging up of clay and ending with the bricks being delivered.

First of all, clay is dug up from the ground by a large digger. This clay is then placed onto a metal grid, which breaks up the clay into smaller pieces. A roller helps in this process.

Following this, sand and water are added to the clay, and this mixture is turned into bricks by either putting it into a mould or using a wire cutter. Next, these bricks are put in an oven to dry for 24 – 48 hours.

In the next stage, the bricks go through a heating and cooling process. They are heated in a kiln at a moderate and then a high temperature (from 200c to 1300c), followed by a cooling process in a chamber for 2 – 3 days. Finally, the bricks are packed and delivered to their destinations.



Scan the QR code to read the diagram.

Unit 4 Science: Now and in the future

Lesson 3: Explore

Speaking PCM 3

- 1 Look at the diagram of the brick-making process and the task instructions. Try to describe what you can see in one sentence. Share your ideas with your partner.

The diagram shows...

Reading

- 2 Which sentence gives the best overview of the brick making process?

- Overall, the delivery is the final stage. This is the most important stage because the bricks will be used to build a house.
- Overall, the bricks are made from clay. They are sent by truck in the end.
- Overall, there are seven stages in the process, beginning with the digging up of clay and ending with the bricks being delivered.

Writing Tip

You must always include an 'overview' of the information in your answer to the task.

Reading

- 3 Number the paragraphs in the correct order to create an answer to the task.

First of all, clay is dug up from the ground by a large digger. This clay is then placed onto a metal grid, which breaks up the clay into smaller pieces. A roller helps in this process.

In the next stage, the bricks go through a heating and cooling process. They are heated in a kiln at a moderate and then a high temperature (from 200°C to 1300°C), followed by a cooling process in a chamber for 2 – 3 days. Finally, the bricks are packed and delivered to their destinations.

Following this, sand and water are added to the clay, and this mixture is turned into bricks by either putting it into a mould or using a wire cutter. Next, these bricks are put into an oven to dry for 24 – 48 hours.

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Language

4 Re-arrange the words to make sentences.

a dug up from / Clay is / the ground.

b a kiln. / heated in / They are

c The bricks / are packed / and delivered.

d are put / The bricks / oven. / in the

Language Tip

Remember, when describing a process, we often use the passive voice. Compare active and passive:

A person packs the bricks. = active

The bricks are packed. = passive

Language

5 Complete the sentences with 'am', 'is', 'are'.

a This clay _____ placed onto a metal grid.

b They _____ heated in a kiln at a moderate heat.

c The diagram explains the way in which bricks _____ made for the building industry.

d Following this, sand and water _____ added to the clay, and this mixture _____ turned into bricks.

Vocabulary

kiln = a large oven for baking bricks

Practice PCM 4

6 Look at the diagram of an aquaponics cycle and answer the questions.

- Try to describe what you can see in one sentence.
- What are the stages of the process?
- What vocabulary do you need to describe the process?
- What would you write in your overview?

PCM 4



Scan the QR code
to read the
diagram.