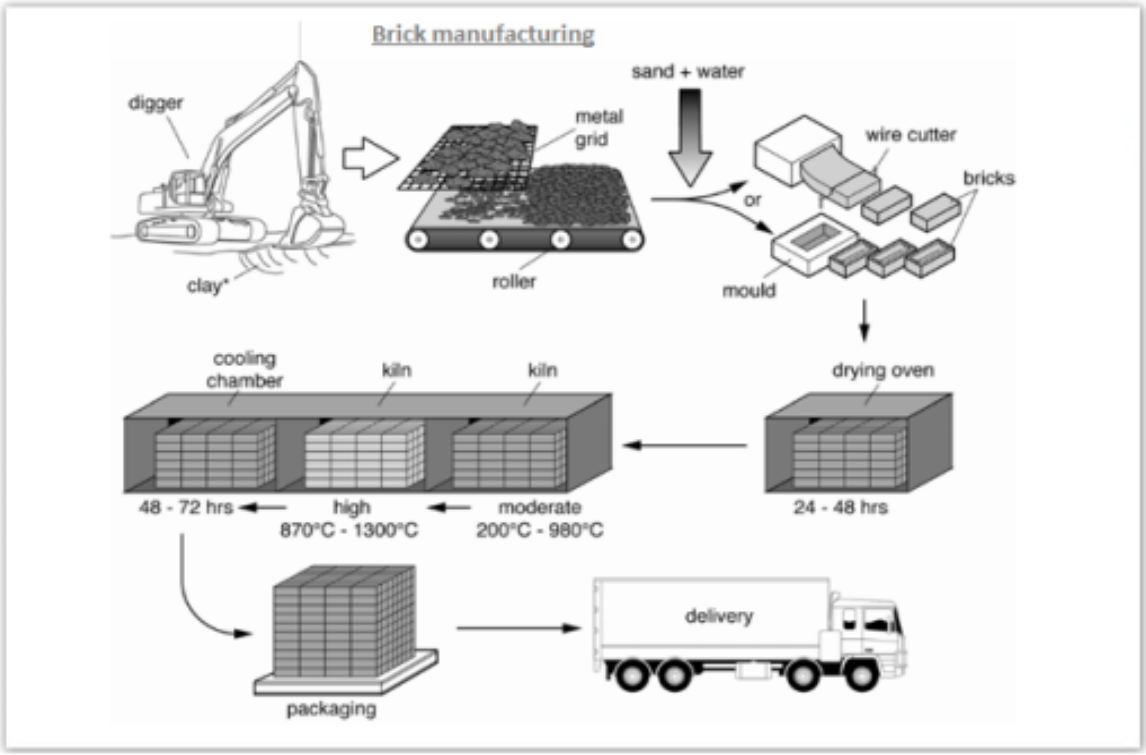
Task 1: Process Diagram

Subject: The diagram illustrates the process that is used to manufacture bricks for the building industry



Model Answer #1

Response:

The brick manufacturing process is a systematic procedure comprising seven distinct stages that transform raw materials into finished products for the construction industry.

This comprehensive process begins with the extraction of clay and culminates in the delivery of packaged bricks, involving a series of critical steps that ensure quality and efficiency.

Initially, the process commences with the extraction of clay from beneath soil surfaces utilizing a digger. The extracted clay lumps are subsequently placed on a metal grid, where they are mechanically reduced into smaller particles. This clay is then combined with sand and water on the grid, ensuring a homogenous mixture through the use of a roller. The resulting mixture can either be shaped into bricks using a wire cutter or formed in dedicated molds, establishing the foundational shape of the bricks. Following this shaping phase, the newly formed bricks are transferred to a drying oven where they undergo desiccation for a duration ranging from 24 to 48 hours.

Upon completion of the drying process, the bricks are subjected to a two-phase firing method in a kiln. Initially, the bricks are exposed to moderate temperatures, between 200°C and 980°C, for approximately 48 to 72 hours. Subsequently, they are fired at elevated temperatures, reaching between 870°C and 1300°C, enhancing their strength and durability. After the firing is completed, a cooling phase occurs within a cooling chamber, lasting an additional 48 to 72 hours to ensure gradual temperature reduction. Ultimately, the finished bricks are meticulously packaged and prepared for delivery, often to construction sites or storage facilities, marking the conclusion of the manufacturing cycle.

Evaluation:

Overall Band Score: 9

Task Response (9): The report provides a comprehensive and accurate description of the brick manufacturing process, covering all seven steps in detail.

Coherence & Cohesion (9): The report is well-structured and flows smoothly, with clear transitions between paragraphs and sentences.

Lexical Resource (9): The report demonstrates a wide range of vocabulary, using precise and sophisticated language to describe the process.

Grammatical Range & Accuracy (9): The report is grammatically accurate and uses a variety of complex sentence structures effectively.

Model Answer #2

Response:

The diagram illustrates the process of brick manufacturing for the building industry. The process involves several stages, starting from the extraction of clay and ending with the delivery of finished bricks.

Initially, clay is extracted from the ground using a digger. The clay is then placed on a metal grid to break it into smaller pieces, which are subsequently mixed with sand and water. This mixture is then molded into brick shapes either by using a wire cutter or a mold.

The shaped bricks are then dried in an oven for 24 to 48 hours. Following this, they undergo a two-stage firing process in a kiln. The first stage involves moderate heating at temperatures between 200°C and 980°C, while the second stage requires high temperatures ranging from 870°C to 1300°C. After firing, the bricks are cooled in a chamber for 48 to 72 hours.

Finally, the bricks are packaged and delivered to their destinations. This comprehensive process ensures that the bricks are durable and suitable for construction purposes.

Evaluation:

Overall Band Score: 9

Task Response (9): The report provides a clear and accurate summary of the information presented in the diagram. All key stages of the process are described, and relevant comparisons are made.

Coherence & Cohesion (9): The report is well-organized and easy to follow. The information is presented in a logical order, and clear transitions are used to connect the different stages of the process.

Lexical Resource (9): The report demonstrates a wide range of vocabulary, which is used accurately and appropriately. The language is precise and sophisticated, and there is no evidence of repetition or redundancy.

Grammatical Range & Accuracy (9): The report is grammatically accurate and uses a wide range of structures. The sentences are well-constructed and varied, and there are no errors in punctuation or grammar.

Model Answer #3

Response:

The diagram illustrates the process of brick production for the building industry. Overall, the process consists of seven stages, beginning with the excavation of clay and concluding with the delivery of the finished bricks.

Initially, an excavator is used to dig up clay from the ground. This raw material is then crushed into smaller pieces using a metal grid and roller. Subsequently, sand and water are added to the clay in precise proportions, and the mixture is thoroughly combined until it reaches the desired consistency, neither too thick nor too liquid.

Following this, the mixture is shaped into bricks either by cutting it with a wire cutter or by molding it in a rectangular frame. The newly formed bricks are then transferred to a drying oven, where they remain for 24 to 48 hours to remove moisture.

Once dried, the bricks are moved to a kiln for firing, a crucial stage that involves two heating phases: the moderate phase at temperatures between 200°C and 980°C, and the high phase ranging from 870°C to 1300°C. This process ensures the bricks are hardened and durable.

After firing, the bricks undergo a cooling process in a chamber for 48 to 72 hours. Once cooled, the bricks are packaged, stacked neatly to facilitate transportation. Finally, the bricks are delivered to various construction sites by trucks.

Evaluation:

Overall Band Score: 9

Task Response (9): The report provides a comprehensive and accurate description of the brick manufacturing process, covering all the key stages and details.

Coherence & Cohesion (9): The report is well-structured and logically organized, with clear transitions between stages and a smooth flow of information.

Lexical Resource (9): The report demonstrates a wide range of vocabulary, using precise and appropriate terms to describe the process.

Grammatical Range & Accuracy (9): The report exhibits excellent grammatical accuracy and a variety of sentence structures, contributing to a sophisticated and fluent style.

Model Answer #4

Response:

The diagram illustrates the steps involved in the brick manufacturing process for the building industry. The process comprises seven steps, starting from collecting the clay to delivering the packaged bricks.

Initially, clay – a form of sticky earth used in brick making – is gathered using a digger. The collected clays are then placed in a metal grid to be rolled. After adding sand and water, the clays are passed through two different machines with the roller. The first machine shapes a brick from the clays and cuts it using a wire cutter; while the second machine molds the clays into a brick.

Subsequently, the bricks are dried in an oven for 24 to 48 hours. Following this, the bricks undergo heating in a kiln at two distinct temperature ranges. The first range is a moderate temperature between 200 and 980 degrees Celsius, and the second is a high temperature from 870 to 1300 degrees Celsius.

Once heated, the bricks are moved to a cooling machine or chamber for 48 to 72 hours to ensure they are adequately prepared for packaging. Pallets are utilized to package the bricks, which can then be picked up by trucks for delivery.

Evaluation:

Overall Band Score: 9

Task Response (9): The report provides a comprehensive and accurate summary of the information presented in the diagram. All key stages of the process are described in detail, and relevant comparisons are made where appropriate.

Coherence & Cohesion (9): The report is well-organized and easy to follow. The information is presented in a logical order, and clear transitions are used to connect the different stages of the process.

Lexical Resource (9): The report demonstrates a wide range of vocabulary, including specialized terms related to brick manufacturing. The language is precise and appropriate for the task.

Grammatical Range & Accuracy (9): The report is grammatically accurate and uses a variety of sentence structures effectively. Punctuation is used correctly throughout.

Model Answer #5

Response:

The diagram provided illustrates how bricks are produced for building purposes.

From an overall perspective, it is evident that this process consists of seven consecutive steps, from the excavation of clay to the delivery of finished products.

The brick manufacturing process begins when the initial material, clay, is collected from clay-rich areas located just beneath the soil surface by a digger. Then loads of clay are sifted through a metal grid onto a roller to break down large chunks into smaller parts. Sand and water are introduced to create a homogeneous mixture. This mixture is then either shaped in molds or cut into brick-shaped pieces using a wire cutter. The freshly formed bricks are then subjected to a drying process in a drying oven, where they remain for a duration of 24 to 48 hours.

Subsequently, the dried bricks proceed to the kiln where they undergo a controlled heating process. Initially, the temperature is raised to a moderate range between 200 and 980 degrees Celsius, followed by a high-temperature phase ranging from 870 to 1300 degrees Celsius. These temperature-treated bricks are allowed to cool gradually in a chamber for at least 48 hours and up to a maximum of 72 hours. Once the bricks have sufficiently cooled, they are ready for packaging and transportation to their designated destinations.

Evaluation:

Overall Band Score: 9

Task Response (9): The report accurately and thoroughly addresses the task, providing a clear and comprehensive description of the brick manufacturing process.

Coherence & Cohesion (9): The report is extremely well-organized and easy to follow, with cohesive linking between sentences and paragraphs, and skillful use of transitional phrases.

Lexical Resource (9): The report demonstrates a wide range of vocabulary, using precise and sophisticated language to describe the process, with accurate and natural control of lexical features.

Grammatical Range & Accuracy (9): The report exhibits a wide range of grammatical structures, used with full flexibility and control, with accurate and appropriate use of punctuation throughout.