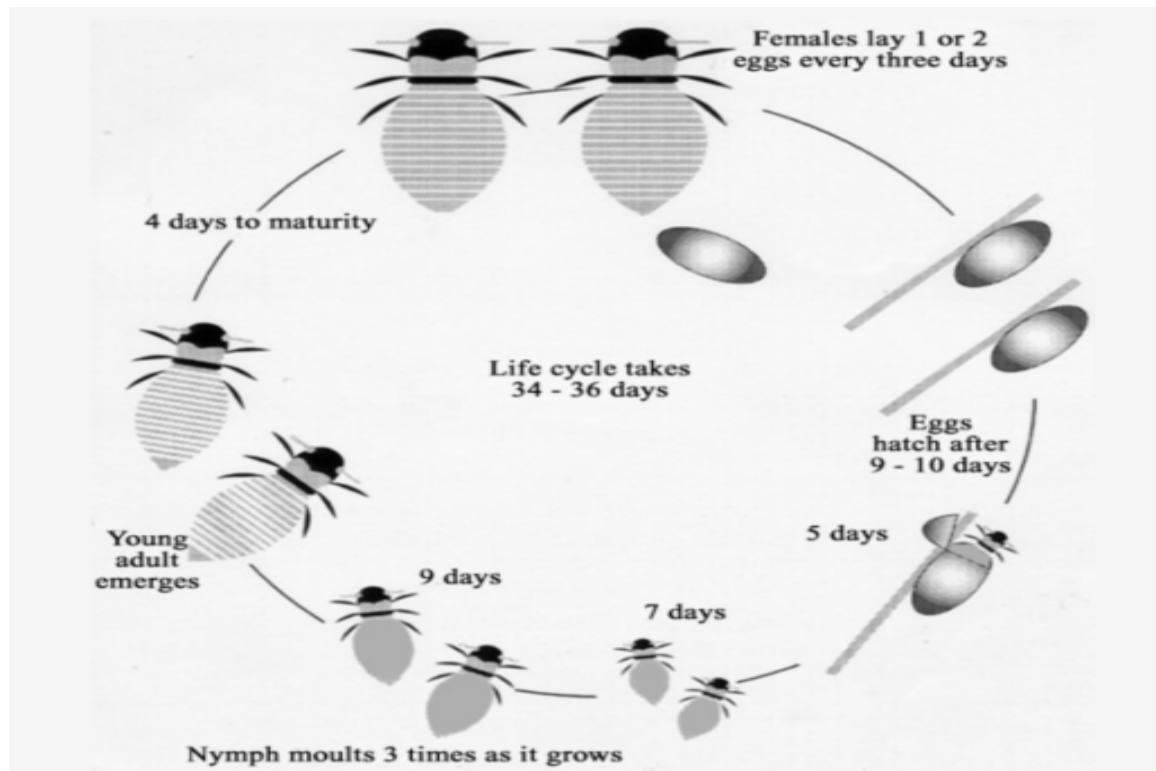


Task 1: Process Diagram

Subject: The diagram below shows the life cycle of the honey bee. Write a report for a university lecturer describing the information shown below. Summarise the information by selecting and reporting the main features and make comparisons where relevant. You should write at least 150 words.



Answer #1

Response:

The diagram illustrates the life cycle of a honey bee, encompassing a duration of approximately 34 to 36 days from the egg stage to full maturity.

In summary, the life cycle consists of several critical phases including egg laying, hatching, nymph development, and maturation, culminating in the reproductive capabilities of adult bees.

Initially, female bees deposit one or two eggs every three days, leading to hatching after a period of 9 to 10 days. Once the eggs hatch, the emergent nymphs remain dependent, staying with the remnants of their eggs for five days. Following this initial phase, the nymphs enter a distinct growth period lasting 16 days, during which they undergo three molts. Each moult signifies a developmental advancement, ultimately culminating in their transformation into young adults.

After transitioning into young adults, bees reach full maturity in an additional four days. At this stage, female bees are capable of reproduction, thus perpetuating the cycle by laying eggs, which restarts the process. This cyclical pattern of life highlights the intricate reproductive and developmental strategies of honey bees, illustrating a well-defined timeline that ensures the continuity of their species.

Scores:

Overall Band Score: 9

Task Response: 9 - Excellent response to the task. All stages are described accurately and completely.

Coherence & Cohesion: 9 - The report is exceptionally well-organized and easy to follow. The flow of information is natural and logical.

Lexical Resource: 9 - A wide range of sophisticated vocabulary is used accurately and appropriately. The language is precise and natural.

Grammatical Range & Accuracy: 9 - The grammar is flawless. A wide range of grammatical structures is used with complete accuracy and fluency.

Answer #2

Response:

The diagram delineates the sequential phases of the honey bee's life cycle.

In summary, the life cycle comprises five principal stages, spanning approximately 34 to 36 days, from egg to mature adult.

Initially, female bees deposit one or two eggs at intervals of three days. Following this oviposition period, the eggs undergo a hatching process that takes between 9 to 10 days, resulting in the emergence of nymphs. These larvae then experience three molting phases over a total duration of 16 days, with each phase characterized by significant growth. Specifically, the first phase lasts 5 days, the second extends for 7 days, and the final phase takes 9 days, culminating in the transformation of the nymphs into young adults.

Upon completing the molting stages, the young adults require an additional four days to mature into fully developed honey bees. This entire life cycle exemplifies a meticulous and progressive transformation, which reinitiates as the matured females resume the cycle by laying new eggs, thereby ensuring the continuation of the species.

Scores:

Overall Band Score: 9

Task Response: 9 - The report provides a comprehensive and accurate summary of the information presented in the diagram.

Coherence & Cohesion: 9 - The report is well-organized and easy to follow. The information is presented in a logical order, and the use of cohesive devices is effective.

Lexical Resource: 9 - The report demonstrates a wide range of vocabulary, which is used accurately and appropriately.

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