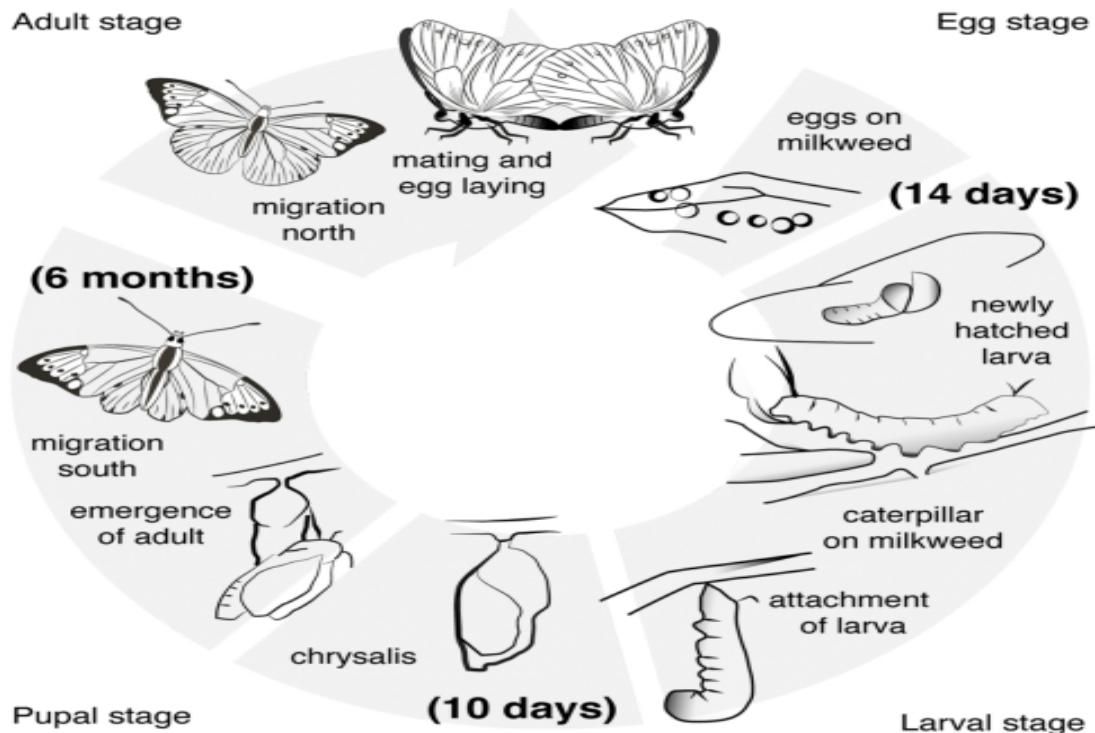


# Task 1: Process Diagram

**Subject:** The diagram below shows the life cycle of the Monarch butterfly. Summarise the information by selecting and reporting the main features and make comparisons where relevant



## **Model Answer #1**

### **Response:**

The diagram illustrates the life cycle of the Monarch butterfly, detailing its transformation through four distinct stages.

Overall, the life cycle encompasses four key phases: the egg stage, the larval stage, the pupal stage, and the adult stage, with each phase characterized by specific durations and events.

Initially, the cycle commences when an adult butterfly migrates north to locate a mate, subsequently laying its eggs on milkweed plants. This egg stage lasts approximately 14 days, after which the eggs hatch into larvae. During the larval stage, the newly emerged caterpillars consume the milkweed, growing rapidly before attaching themselves to the plant in preparation for metamorphosis. This larval phase is critical as it ensures the caterpillar accumulates enough nutrients for its next transformation.

Following a duration of 10 days in the pupal stage, the larvae undergo a significant physiological change within a protective chrysalis. Upon completion of this transformative period, adult butterflies eclose from the chrysalis ready to engage in reproduction. The adult stage lasts approximately six months and is characterized by mating behaviors and the laying of new eggs, thus perpetuating the cycle. Moreover, during this phase, the adult butterflies also undertake migrations both northwards and southwards, further emphasizing their adaptability and resilience in the environment.

### **Evaluation:**

#### **Overall Band Score: 9**

**Task Response (9):** Excellent summary of the provided visual information. All the main features of the diagram are accurately described and compared.

**Coherence & Cohesion (9):** The report is exceptionally well-organized and easy to follow. The flow of information is natural and logical, with skillful use of cohesive devices.

**Lexical Resource (9):** A wide range of sophisticated vocabulary is used accurately and appropriately. The lexical choices enhance the clarity and precision of the description.

**Grammatical Range & Accuracy (9):** The report demonstrates a wide range of grammatical structures with complete accuracy and fluency. The writing is grammatically impeccable.

## **Model Answer #2**

### **Response:**

The diagram illustrates the life cycle of the Monarch butterfly, detailing its stages from migration and reproduction to full development. Overall, the process consists of four main stages: egg, larva (caterpillar), pupa (chrysalis), and adult butterfly, with seasonal migration occurring at the beginning and end of the cycle.

Initially, adult Monarch butterflies migrate north to find suitable breeding grounds. Once they arrive, they mate, and females lay eggs, usually on milkweed leaves. After about fourteen days, the eggs hatch into larvae, also known as caterpillars. During this stage, they feed on milkweed to grow rapidly. Once fully developed, the larva attaches itself to a branch or leaf to begin the next phase.

Following this, the caterpillar transforms into a pupa, forming a chrysalis where metamorphosis occurs over ten days. Eventually, an adult butterfly emerges. Once fully matured, it migrates south to warmer regions, where it remains for six months before returning north to reproduce, ensuring the cycle continues indefinitely.

### **Evaluation:**

#### **Overall Band Score: 9**

**Task Response (9):** Excellent summary of the main features of the Monarch butterfly life cycle. All stages are accurately described and compared.

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

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

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

## **Model Answer #3**

### **Response:**

The diagram is a series of pictorial illustrations, presenting the Monarch butterfly's life cycle, complete with expected time brackets and labelled stages. Overall, a Monarch butterfly goes through four stages of life; the first two being egg stage and larval stage, in which the butterfly is born, and the second two being pupal and adult stages, in which the butterfly grows, reaches maturity, and restarts the cycle.

The first on the list is the egg stage, which usually takes around fourteen days. A pair of butterflies mate and lay eggs, leaving them on a plant known as milkweed. These eggs then hatch into larvae, transitioning into the larval stage where the newborn insect feeds on the milkweed and grows. Afterwards, the larva attaches itself to a branch, transforming into a chrysalis and initializing the pupal stage. The time spent between the beginning and the end of the pupal stage takes roughly around 10 days.

Once the process has been completed, a matured Monarch butterfly will exit the cocoon. Following this, the emergent butterfly will migrate south and become an adult over the course of six months. Next, the butterfly, having fully grown into an adult, will seek out a mate and begin the cycle anew.

### **Evaluation:**

#### **Overall Band Score: 9**

**Task Response (9):** Excellent coverage of all main features of the diagram. Comparisons are implicitly made by describing the stages in sequence.

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

**Lexical Resource (8.5):** A wide range of sophisticated vocabulary is used accurately and appropriately. The language is precise and effective.

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

## **Model Answer #4**

### **Response:**

The diagram illustrates the complex life cycle of the Monarch butterfly, delineating four distinct stages from egg to adult.

Overall, the metamorphosis of the Monarch butterfly unfolds systematically, progressing from an egg stage to the adult stage, which spans approximately six months.

The initial phase commences with the deposition of eggs on milkweed, where they incubate for a duration of 14 days. Upon hatching, the larvae emerge and begin their existence as caterpillars, feeding voraciously on milkweed leaves. This larval stage is characterized by significant growth and culminates in the attachment of the caterpillar to a suitable surface, where it undergoes a transformative process. Following this, the caterpillar forms a chrysalis, a change that lasts for around 10 days during the subsequent pupal stage.

Upon emergence from the chrysalis, the adult Monarch butterfly enters its final stage. This phase lasts approximately six months and encompasses critical activities such as mating and egg laying. Notably, the adult butterfly engages in migratory patterns, traveling both north and south, depending on seasonal cues. This life cycle not only highlights the remarkable transformation of the Monarch butterfly but also underscores its migratory behavior, which is essential for its reproduction and survival.

### **Evaluation:**

#### **Overall Band Score: 9**

**Task Response (9):** The report provides a comprehensive summary of the diagram, accurately describing all four stages of the Monarch butterfly's life cycle and making relevant comparisons. The response is well-structured and fulfills all aspects of the task.

**Coherence & Cohesion (9):** The report is exceptionally well-organized and easy to follow. The logical flow of information is seamless, with clear transitions between paragraphs and stages of the life cycle. The cohesive devices used are sophisticated and enhance the overall readability.

**Lexical Resource (9):** The report demonstrates a wide range of sophisticated vocabulary, used accurately and appropriately. The lexical choices are precise and contribute to the clarity and fluency of the writing. The language is natural and sophisticated.

**Grammatical Range & Accuracy (9):** The grammar is impeccable. A wide range of grammatical structures is used accurately and flexibly, demonstrating a high level of grammatical control. The writing is error-free.

## **Model Answer #5**

### **Response:**

The diagram illustrates the life cycle of the Monarch butterfly, which involves four main stages: egg, larval, pupal, and adult. The cycle is notable for including migration patterns and various transformation processes over time.

The cycle begins with the egg stage, where Monarch butterflies lay their eggs on milkweed plants. These eggs take approximately 14 days to hatch into larvae, also known as caterpillars. The larval stage is marked by the caterpillar feeding on milkweed, growing, and eventually attaching itself to form a chrysalis.

The pupal stage follows, lasting about 10 days. During this stage, the chrysalis undergoes metamorphosis, and an adult butterfly emerges. After emergence, the butterfly enters its adult stage, where it migrates north, mates, and lays eggs, continuing the cycle.

What sets the Monarch apart is its seasonal migration. After mating and laying eggs, the adult butterfly migrates south and lives for around six months, in contrast to the earlier stages that last for days or weeks.

This diagram effectively highlights the Monarch's unique biological and migratory patterns across its lifecycle.

### **Evaluation:**

#### **Overall Band Score: 9**

**Task Response (9):** The report provides a comprehensive and accurate summary of the information presented in the diagram. It effectively identifies the main features of the Monarch butterfly's life cycle and makes relevant comparisons between the stages.

**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 ensures smooth transitions between sentences and paragraphs.

**Lexical Resource (9):** The report demonstrates a wide range of vocabulary, including specific terms related to the Monarch butterfly's life cycle. The language is precise and appropriate for the topic.

**Grammatical Range & Accuracy (9):** The report is grammatically accurate and uses a variety of sentence structures effectively. The punctuation is correct and contributes to the clarity of the writing.