Name & Surname: _____ Class: _____ Date: _____

Life Cycles All Around

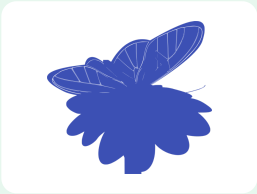
Same stages, different stories

About 40 minutes Level ★★★☆☆

Alike and Different

Every living thing has a **life cycle**. It starts at **birth**, grows, makes new young, and dies.

- **Birth** can be different: a seed sprouts, a chick hatches from an egg.
- **Growth** can be different: seedlings get taller, caterpillars get bigger and change.
- **Reproduction** starts new cycles: flowers make seeds, adults have young.
- Death ends one life, but new young keep the kind of living thing going.



Task A

Think hard about why reproduction matters. Start from the issue and ask Why? again.

Adult living things reproduce to start new life in their kind.

Why? So new seeds can sprout and new eggs can hatch

Why?

Why?

Why?

Why?

What Do You Know?

Show what you know and what you want to learn.

Key words

life cycle: stages from the start of a plant or animal to the end

birth: when life starts

growth: getting bigger and changing

reproduction: making new young

death: the end of life

adult: fully grown living thing

Task B

Fill the first two columns now. Fill the last after you model life cycles.

Think about: What births have you seen, like seeds sprouting or eggs hatching? · What do you want to compare about how plants and animals grow?

K What I know	W What I want to know	L What I learnt

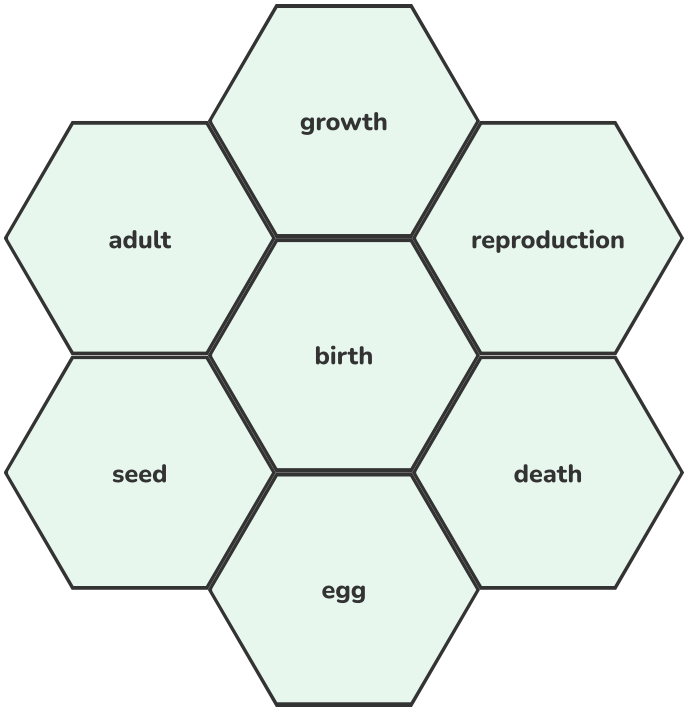
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Link the Stages

Connect life stages that belong together.

Task C

Find hexagons that touch and explain each link in a short sentence.



Words that touch	What's the link?

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Same Pattern, Different Lives

Plan why all life cycles share four stages.

Task D

Plan your answer to convince a partner. Use facts about life cycles. Start with: They are the same because...

Goal A butterfly and a flowering plant look different but share birth, growth, reproduction, and death.

Reason 1

Both have a birth start: egg hatches and seed sprouts

Fact 1a _____

Fact 1b _____

Fact 1c _____

Reason 2

Both grow and change: caterpillar grows, seedling grows taller

Fact 2a _____

Fact 2b _____

Fact 2c _____

Reason 3

Both reproduce as adults: butterfly lays eggs, plant makes seeds

Fact 3a _____

Fact 3b _____

Fact 3c _____

Conclusion

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Model a Butterfly Cycle

Draw and label a model of one life cycle.

Task E

Draw each stage in order. Show how birth leads back to new birth.

1. **eggs** hatch on a leaf
2.  caterpillar eats leaves and grows
3. chrysalis hangs still and changes
4.  **adult** butterfly comes out with wings
5. adult lays eggs to start again

How did I do?

Circle a face for each line.

I can name birth, growth, reproduction, and death in a life cycle.	☹	😐	☺
I can compare how a plant and an animal start and grow.	☹	😐	☺
I can model a life cycle in order to show how it repeats.	☹	😐	☺

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Answer sheet: Life Cycles All Around

Task A

Answers will vary, e.g. So new seeds can sprout and new eggs can hatch; So plants and animals do not die out; So the life cycle can keep going after death

Task B

Answers will vary.

Task C

Answers will vary, e.g. egg and birth: many animals start life when they hatch from an egg; seed and birth: flowering plants start life when a seed sprouts; adult and reproduction: adults make seeds or young to start new cycles

Task D

Answers will vary, e.g. Both have a birth start: egg hatches and seed sprouts; Both grow and change: caterpillar grows, seedling grows taller; Both reproduce as adults: butterfly lays eggs, plant makes seeds

Task E

1. eggs hatch on a leaf 2. caterpillar eats leaves and grows 3. chrysalis hangs still and changes 4. adult butterfly comes out with wings 5. adult lays eggs to start again

Pictures: "gold flower pattern butterfly" is marked with CC0 1.0. To view the terms, visit https://creativecommons.org/publicdomain/zero/1.0/.; Illustration: brenjbeecrafts · Pixabay; Illustration: geralt · Pixabay

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