Name _____ Date _____

Science · How animals grow

What Is a Life Cycle?

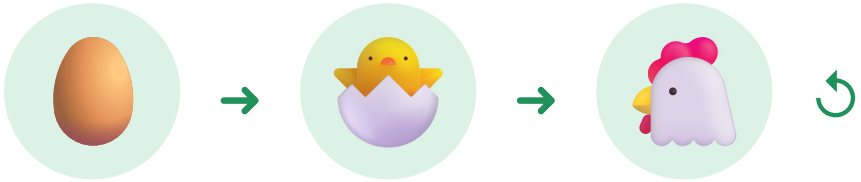
Read the big idea. Then circle the right answer for each baby animal.



Big idea

A life cycle is the set of stages an animal goes through. It is born, it grows up, and it has young of its own. Then the cycle starts again.

The life cycle of a hen



egg → chick → hen

Does the baby look like its parent? The pictures show the parents.

1. A baby sea turtle — looks like its parent / looks very different
2. A caterpillar (baby butterfly) — looks like its parent / looks very different
3. A grasshopper nymph — looks like its parent / looks very different
4. A tadpole (baby frog) — looks like its parent / looks very different
5. A chick — looks like its parent / looks very different

Name _____ Date _____

Science · How animals grow

How People Grow

Use the word box to name each stage of life.

baby **child** **adolescent** **adult** **elderly**



1. I drink milk and cannot walk yet. I am a _____.



2. I go to school and love to play. I am a _____.



3. I am grown up and I go to work. I am an _____.



4. I have grey hair and grandchildren. I am _____.

Think about it

1. A teenager between a child and an adult is an _____.

2. Put the stages in order. Which comes first? _____

Name _____ Date _____

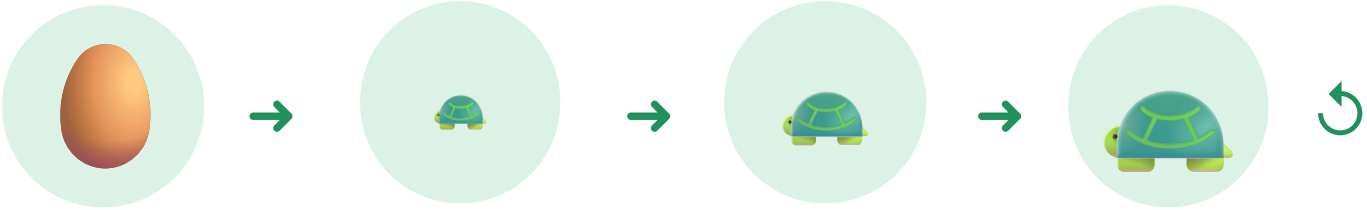
Science · How animals grow

Turtle and Grasshopper

Fill in the missing stages. Then circle true or false.

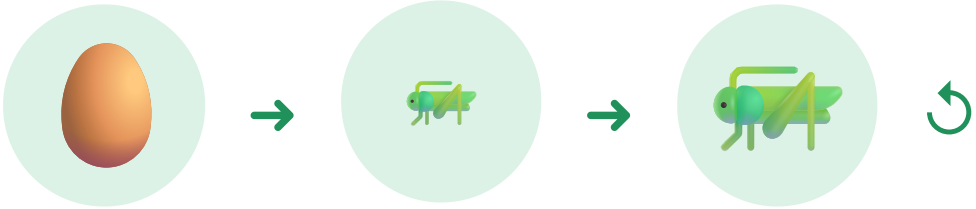
hatchling **juvenile** **nymph**

A sea turtle



egg _____ _____ adult

A grasshopper



egg _____ adult

True or false?

1. A sea turtle starts life as an egg. True False
2. A nymph has wings. True False
3. A hatchling has just come out of its egg. True False
4. A grasshopper has 4 stages in its life cycle. True False

Name _____ Date _____

Science · How animals grow

Frog and Butterfly

Write each fact in the right box. The middle box is for facts that are true for both.



Big word: metamorphosis

Frogs and butterflies change a lot as they grow. A tadpole does not look like a frog, and a caterpillar does not look like a butterfly. This big change has a special name: metamorphosis.

is an amphibian · **is an insect** · **lays eggs**
lays eggs in water · **lays eggs on leaves**
goes through big changes
breathes through tiny holes called spiracles
has gills when it is young

Frog only	Both	Butterfly only

larva · **pupa**

1. A caterpillar is also called a _____.

2. A caterpillar changes into a butterfly inside a _____.

Name _____ Date _____

Science · How animals grow

Think and Solve

Read each problem carefully. Write the answer in the blank.

1. A sea turtle lays 10 eggs on the beach. 7 eggs hatch. How many eggs did not hatch? _____ eggs

2. A butterfly has 4 stages in its life cycle. A grasshopper has 3. How many more stages does a butterfly have? _____ more

3. Ali found 5 caterpillars on Monday and 4 on Tuesday. How many caterpillars did he find in all? _____ caterpillars

4. A hen lays 2 eggs every day. How many eggs does she lay in 3 days? _____ eggs

5. A grasshopper nymph has no wings. What will it grow when it becomes an adult? _____

6. Sara saw a small turtle swimming in the sea. It was not a baby, but it was not fully grown. Which stage was it? _____

Draw a butterfly life cycle with arrows: egg, larva, pupa, butterfly

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Name _____ Date _____

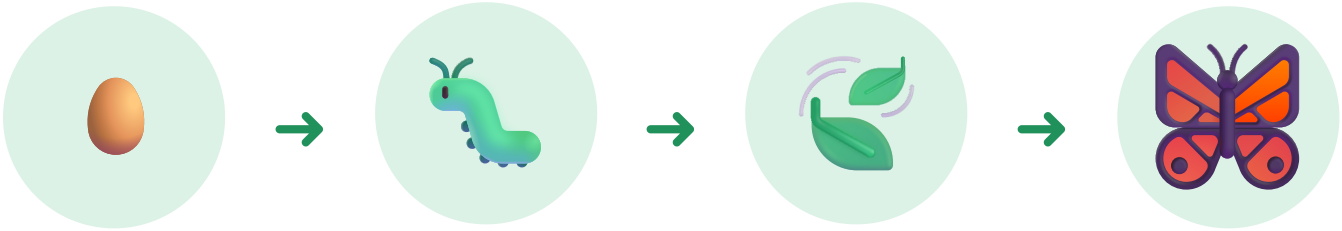
Science · How animals grow

Butterfly Life Cycle

Fill in the missing stages. Then number the stages in order.

larva pupa

A butterfly



egg _____ _____ butterfly

Put the stages in order: 1, 2, 3, 4.

1. pupa ____
2. egg ____
3. butterfly ____
4. larva ____

Circle the right answer.

1. Where does a butterfly lay its eggs? — on leaves / in water
2. What does a caterpillar eat? — leaves / stones
3. What comes out of the pupa? — a butterfly / a caterpillar

Name _____ Date _____

Science · How animals grow

Hatched or Born?

Read the big idea. Then write each animal in the right box.




Two ways to start life

Some animals hatch from eggs, like hens, turtles and frogs. Other animals grow inside their mothers and are born alive, like cows, cats and people.

hen **cow** **turtle** **cat** **frog** **dog** **snake** **goat** **butterfly** **person**

Hatches from an egg	Is born alive

Look at each animal. Circle how it starts life.

1.  A crocodile — hatches / is born
2.  A puppy — hatches / is born
3.  A snake — hatches / is born

Name _____ Date _____

Science · How animals grow

Animal Babies

Use the word box to name each baby animal.

chick | tadpole | caterpillar | calf | puppy | kitten



1. A baby hen is a _____.



2. A baby frog is a _____.



3. A baby butterfly is a _____.



4. A baby cow is a _____.



5. A baby dog is a _____.



6. A baby cat is a _____.

Name _____ Date _____

Science · How animals grow

Growing Up Problems

Read each problem. Write the answer in the blank.



What helps animals grow?

Living things need food, water and a safe home to grow. As they grow, they get bigger and can do new things.

1. A caterpillar was 2 cm long. A week later it was 5 cm long. How much did it grow? _____ cm

2. A frog lays 8 eggs in a pond. 5 hatch into tadpoles. How many eggs are left? _____ eggs

3. There are 3 hens. Each hen has 2 chicks. How many chicks are there? _____ chicks

4. A turtle egg takes about 2 months to hatch. Which month comes after 1 month? Month _____

5. Bilal was a baby 6 years ago. How old is Bilal now? _____ years old

What does a baby animal need to grow?

1. food	needs it	does not need it
2. water	needs it	does not need it
3. a toy car	needs it	does not need it
4. a safe home	needs it	does not need it

Name _____ Date _____

Science · How animals grow

Life Cycle Review

Match each baby to its grown-up. Then draw yourself.

Write the letter.

☐	1. caterpillar	a)	grasshopper
☐	2. tadpole	b)	butterfly
☐	3. nymph	c)	sea turtle
☐	4. hatchling	d)	frog
☐	5. chick	e)	hen

Fill in.

1. All the life cycles we learnt start with an _____.

2. A big change, like caterpillar to butterfly, is called _____.

Draw yourself now and when you are an adult

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ANSWER KEY

Name _____ Date _____

Science · How animals grow

What Is a Life Cycle?

Read the big idea. Then circle the right answer for each baby animal.



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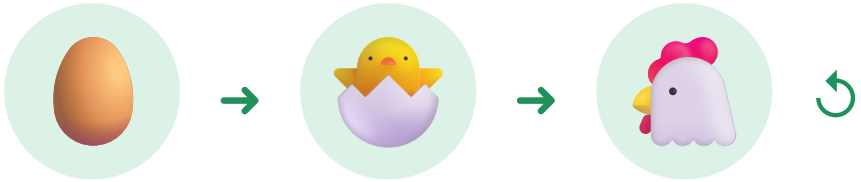
The life cycle of a hen



egg → chick → hen

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looks like its parent

looks very different

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4. A tadpole (baby frog)

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5. A chick

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looks very different

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ANSWER KEY

Name _____ Date _____

Science · How animals grow

How People Grow

Use the word box to name each stage of life.

baby **child** **adolescent** **adult** **elderly**



1. I drink milk and cannot walk yet. I am a **baby** .



2. I go to school and love to play. I am a **child** .



3. I am grown up and I go to work. I am an **adult** .



4. I have grey hair and grandchildren. I am **elderly** .

Think about it

1. A teenager between a child and an adult is an **adolescent** .

2. Put the stages in order. Which comes first? **baby**

ANSWER KEY

Name _____ Date _____

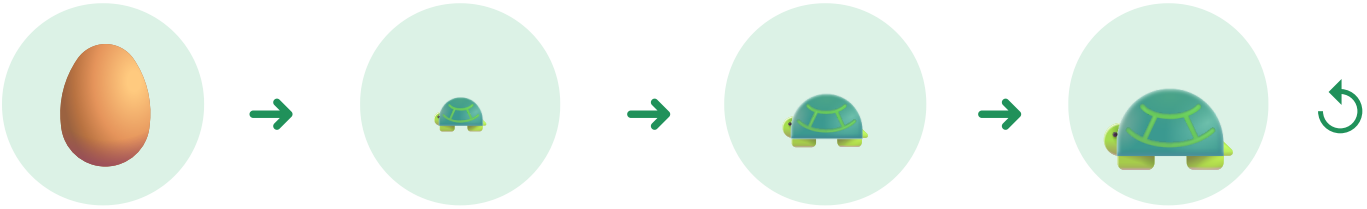
Science · How animals grow

Turtle and Grasshopper

Fill in the missing stages. Then circle true or false.

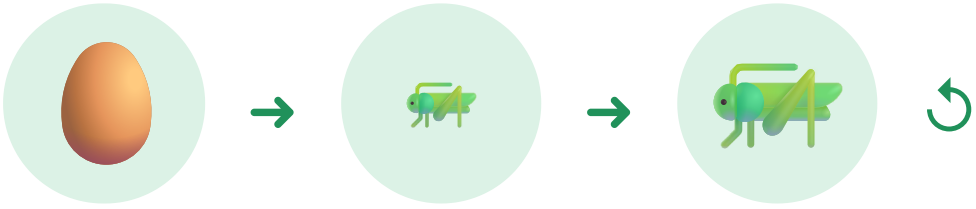
hatchling | juvenile | nymph

A sea turtle



egg → **hatchling** → **juvenile** → adult

A grasshopper



egg → **nymph** → adult

True or false?

1. A sea turtle starts life as an egg. **True** / False
2. A nymph has wings. True / **False**
3. A hatchling has just come out of its egg. **True** / False
4. A grasshopper has 4 stages in its life cycle. True / **False**

ANSWER KEY

Name _____ Date _____

Science · How animals grow

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is an amphibian | is an insect | lays eggs | lays eggs in water | lays eggs on leaves | goes through big changes | breathes through tiny holes called spiracles | has gills when it is young

Frog only	Both	Butterfly only
is an amphibian	lays eggs	is an insect
lays eggs in water	goes through big changes	lays eggs on leaves
has gills when it is young		breathes through tiny holes called spiracles

larva | pupa

1. A caterpillar is also called a **larva** .

2. A caterpillar changes into a butterfly inside a **pupa** .

ANSWER KEY

Name _____ Date _____

Science · How animals grow

Think and Solve

Read each problem carefully. Write the answer in the blank.

1. A sea turtle lays 10 eggs on the beach. 7 eggs hatch. How many eggs did not hatch? **3** eggs

2. A butterfly has 4 stages in its life cycle. A grasshopper has 3. How many more stages does a butterfly have? **1** more

3. Ali found 5 caterpillars on Monday and 4 on Tuesday. How many caterpillars did he find in all? **9** caterpillars

4. A hen lays 2 eggs every day. How many eggs does she lay in 3 days? **6** eggs

5. A grasshopper nymph has no wings. What will it grow when it becomes an adult? **wings**

6. Sara saw a small turtle swimming in the sea. It was not a baby, but it was not fully grown. Which stage was it? **juvenile**

Draw a butterfly life cycle with arrows: egg, larva, pupa, butterfly

Drawings will vary.

ANSWER KEY

Name _____ Date _____

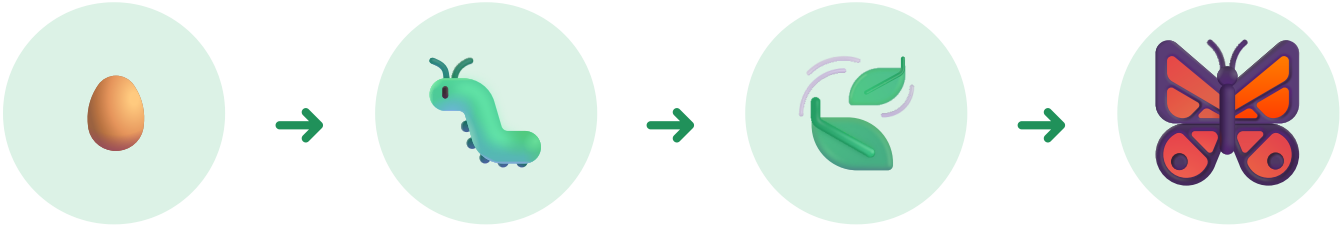
Science · How animals grow

Butterfly Life Cycle

Fill in the missing stages. Then number the stages in order.

larva pupa

A butterfly



egg → **larva** → **pupa** → butterfly

Put the stages in order: 1, 2, 3, 4.

1. pupa **3**
2. egg **1**
3. butterfly **4**
4. larva **2**

Circle the right answer.

1. Where does a butterfly lay its eggs? **on leaves** / in water
2. What does a caterpillar eat? **leaves** / stones
3. What comes out of the pupa? **a butterfly** / a caterpillar

ANSWER KEY

Name _____ Date _____

Science · How animals grow

Hatched or Born?

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hen · cow · turtle · cat · frog · dog · snake · goat · butterfly · person

Hatches from an egg	Is born alive
hen	cow
turtle	cat
frog	dog
snake	goat
butterfly	person

Look at each animal. Circle how it starts life.

1.  A crocodile — **hatches** / is born
2.  A puppy — hatches / **is born**
3.  A snake — **hatches** / is born

ANSWER KEY

Name _____ Date _____

Science · How animals grow

Animal Babies

Use the word box to name each baby animal.

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2. A baby frog is a **tadpole** .



3. A baby butterfly is a **caterpillar** .



4. A baby cow is a **calf** .



5. A baby dog is a **puppy** .



6. A baby cat is a **kitten** .

ANSWER KEY

Name _____ Date _____

Science · How animals grow

Growing Up Problems

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What helps animals grow?

Living things need food, water and a safe home to grow. As they grow, they get bigger and can do new things.

1. A caterpillar was 2 cm long. A week later it was 5 cm long. How much did it grow? **3** cm

2. A frog lays 8 eggs in a pond. 5 hatch into tadpoles. How many eggs are left? **3** eggs

3. There are 3 hens. Each hen has 2 chicks. How many chicks are there? **6** chicks

4. A turtle egg takes about 2 months to hatch. Which month comes after 1 month? Month **2**

5. Bilal was a baby 6 years ago. How old is Bilal now? **6** years old

What does a baby animal need to grow?

1. food	**needs it**	does not need it
2. water	**needs it**	does not need it
3. a toy car	needs it	**does not need it**
4. a safe home	**needs it**	does not need it

ANSWER KEY

Name _____ Date _____

Science · How animals grow

Life Cycle Review

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a	2. tadpole	b)	butterfly
c	3. nymph	c)	sea turtle
e	4. hatchling	d)	frog
b	5. chick	e)	hen

Fill in.

1. All the life cycles we learnt start with an **egg** .

2. A big change, like caterpillar to butterfly, is called **metamorphosis** .

Draw yourself now and when you are an adult

Drawings will vary.

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