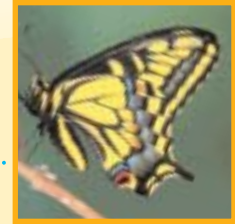


# Plant and Animal Life Cycles



## CONTENTS

### Think About . . .

|                                       |    |
|---------------------------------------|----|
| What Is a Life Cycle? . . . . .       | 2  |
| Plant Life Cycles . . . . .           | 3  |
| Plants from Seeds . . . . .           | 3  |
| Inside a Flower . . . . .             | 4  |
| Plants from Spores . . . . .          | 6  |
| Other Ways Plants Reproduce . . . . . | 6  |
| Animal Life Cycles . . . . .          | 7  |
| Birds . . . . .                       | 7  |
| Mammals . . . . .                     | 8  |
| Insects . . . . .                     | 9  |
| Amphibians . . . . .                  | 10 |
| Fish . . . . .                        | 11 |
| Reptiles . . . . .                    | 12 |
| Fungus Life Cycles . . . . .          | 13 |



### People in Science

|  |    |
|--|----|
| Jane Goodall, Wildlife Biologist . . . . . | 14 |
|--|----|

### Did You Know?

|                                  |    |
|----------------------------------|----|
| About Emperor Penguins . . . . . | 15 |
|----------------------------------|----|

|                           |    |
|---------------------------|----|
| <b>Glossary</b> . . . . . | 16 |
|---------------------------|----|



## Glossary

**adult** fully grown plant or animal

**amphibian** animal that lives in water when it is young and on land when it is an adult

**bird** animal with wings and feathers that lays eggs

**conifer** plant that forms seeds in cones

**decompose** to break down; to decay

**dormant** alive but not growing

**fish** animal that lives in water and has scales, fins, and gills

**flower** plant part that produces seeds

**flowering plant** plant that produces flowers as part of its life cycle

**fruit** plant part that covers and protects the seeds

**fungus** living thing that reproduces using spores; *plural fungi*

**germinate** when a seed begins to grow

**hibernate** spend the winter in a deep sleep to survive low temperatures and lack of food

**insect** animal that has three body sections, six legs, and may have wings

**larva** young insect at the stage of development between the egg and the pupa or adult stage; *plural larvae*

**life cycle** series of stages that a living thing passes through as it is born, grows, and dies

**life span** time between birth and death

**mammal** animal with hair or fur that feeds its young with milk from the mother's body

**metamorphosis** change in body structure, which takes place during the life cycle of animals like butterflies

**migrate** move from one place to another at a certain time of year or certain time in a life cycle; **migration**

**nymph** young insect that looks like a small adult

**ovary** part of a flowering plant that becomes the fruit

**pistil** center of the flower where seeds are formed

**pollen** tiny grains in the stamen of a plant

**pollination** transfer of pollen from the stamen to the pistil

**pupa** stage of the life cycle between the larva and adult; *plural pupae*

**reproduce** to make new individuals of the same kind

**reptile** animal with dry skin covered with scales

**root** plant part that grows downward to absorb nutrients and water

**seed** part of the plant that contains a tiny plant and seed food

**seed coat** thin covering that protects the seed until germination

**seed food** part of the seed that contains nutrients for the tiny plant

**spore** tiny cells that can germinate and grow into a new organism

**stamen** flower part where the pollen is produced

**tiny plant** part of the seed that will become the shoot

**yeast** simple fungus used to make bread dough rise

**young** stage in the life cycle between the egg and the adult