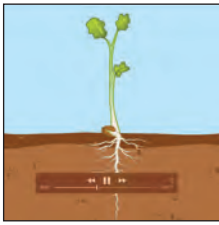


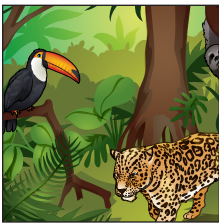
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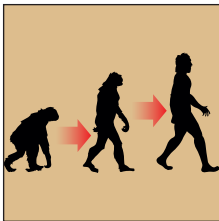
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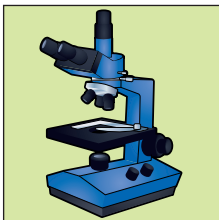
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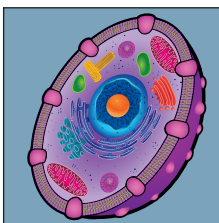
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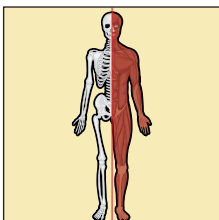
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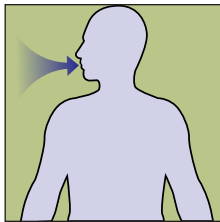
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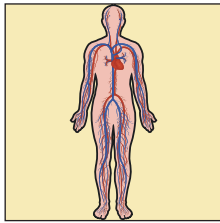
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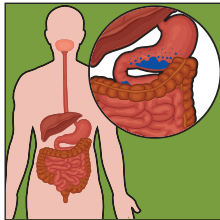
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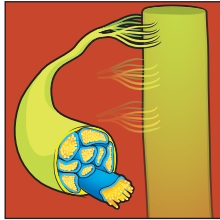
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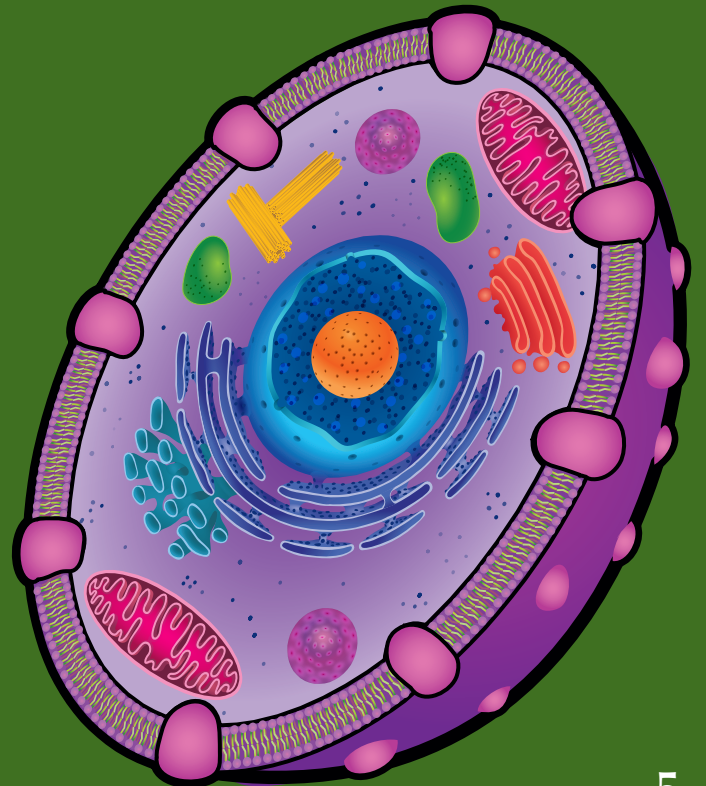
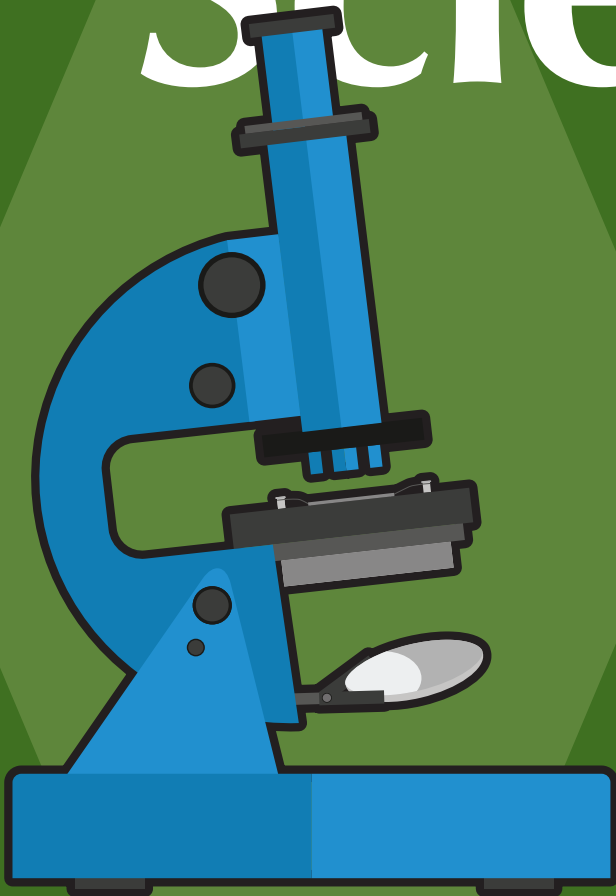


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chapter 1



# Exploring Life Science





# big ideas



*Biology is the study of life.*



*People who study biology are called biologists.*

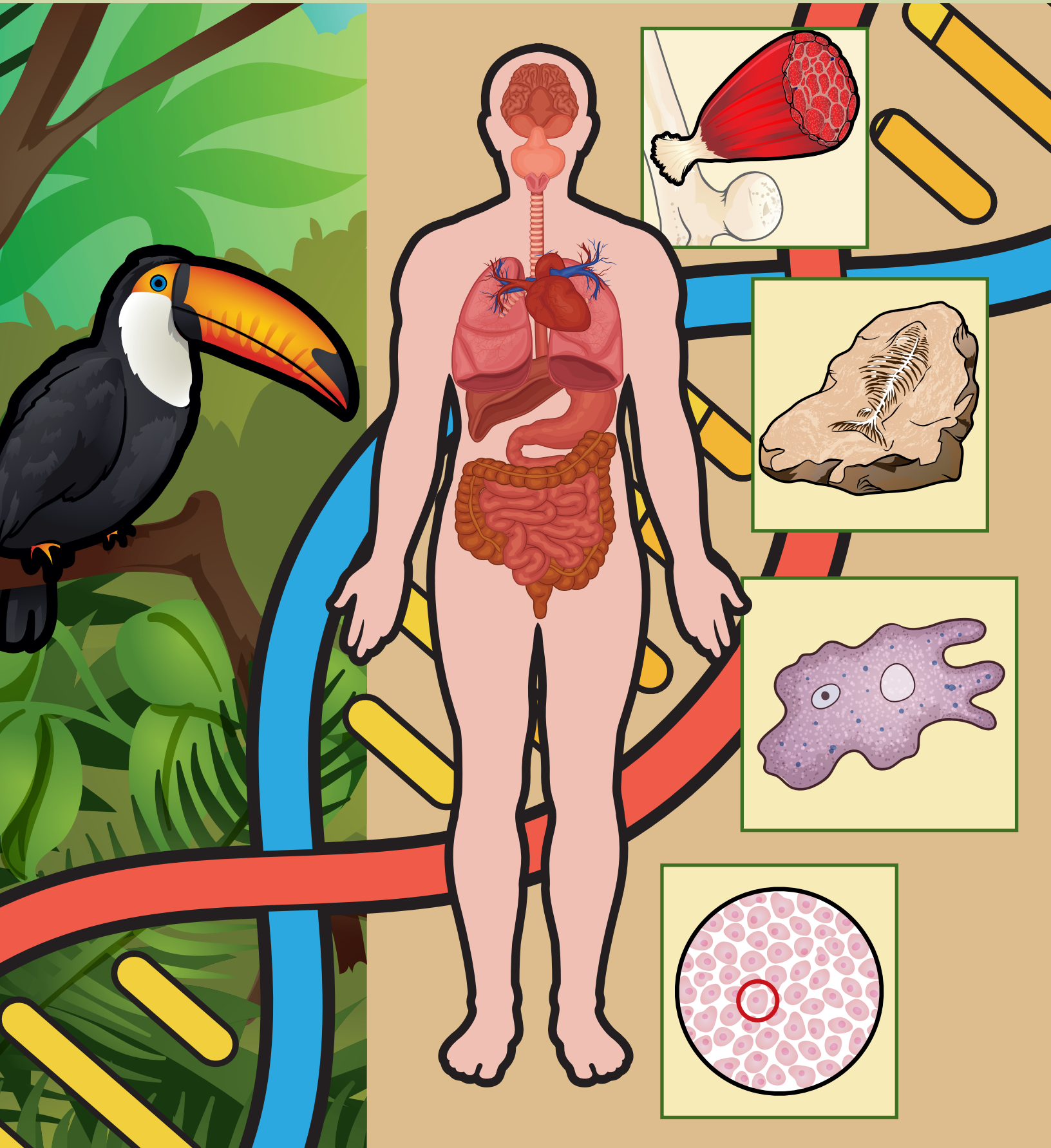


*A lab is a good way to learn biology concepts.*



*Biologists learn new things through experiments.*

# Exploring Life Science



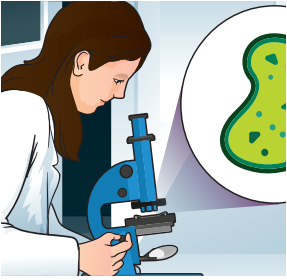


# vocabulary



**biology**

The study of life and living things.



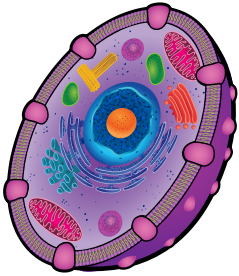
**biologist**

A scientist who studies *biology*.



**image**

Any type of picture.



**model**

Shows what something looks like in real life.

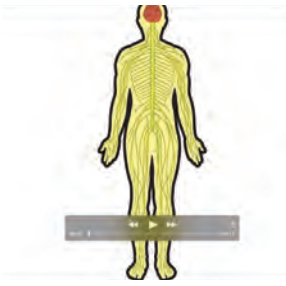


**A picture of any type.**

\_\_\_\_\_

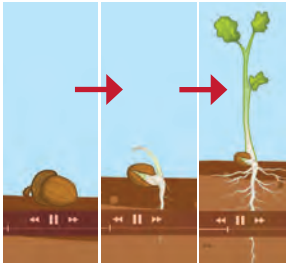


# vocabulary



**animation**

Changing images that show changes and movement.



**dynamic**

Always changing or moving.



**lab**

A hands-on way to learn about *biology*.



**experiment**

A procedure done to learn new things.



**A hands-on way to learn about biology.**

— — —

# What is Biology?



**Biology** is the study of life and living things. Though it may sound simple, life is actually very complicated. Because life is so complicated, biology is a very large subject. There are many areas of biology, and different types of **biologists** study all of them. Studying all areas of biology is important to better understand the amazing existence of life.

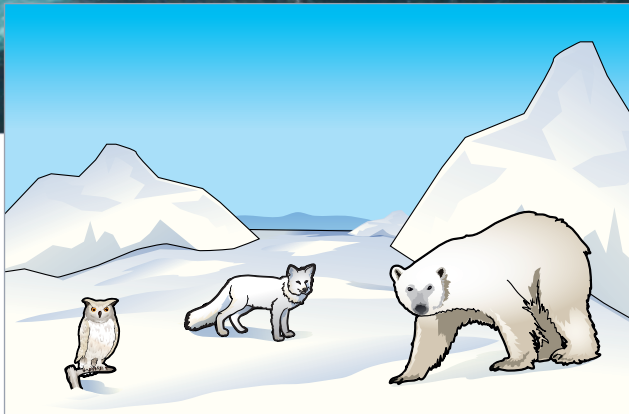


# Images



*Symbol*

*Photograph*



*Illustration*

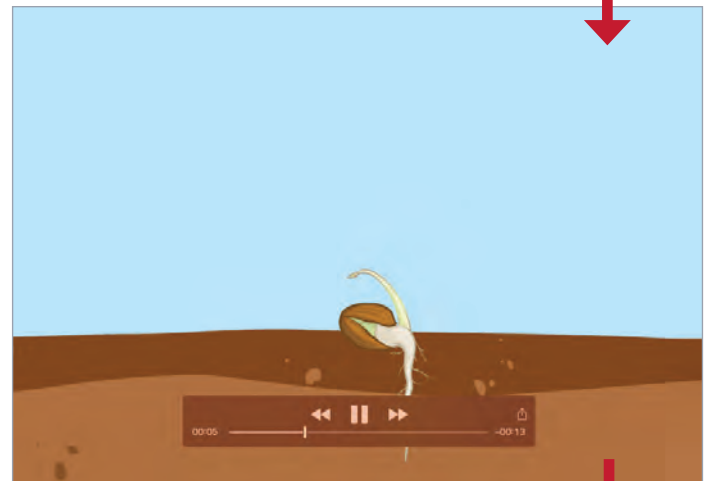
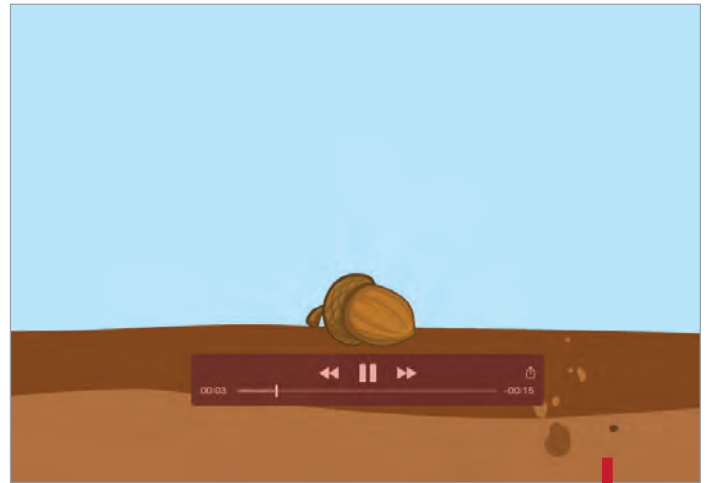


*Map*

**Images** are one of the most common and useful types of study tools. Visual images are very helpful when learning biology. Photographs, illustrations, symbols, and maps are examples of images that help us learn about biology. Viewing different images when studying helps us remember what we learn.

# Animation

**Animations** are like mini movies made with a computer. In biology, animations are used to show microscopic processes that cannot be seen otherwise. Everything in biology is **dynamic**, and animations help us visualize these changes. Faster computers and better software have made the use of detailed animations in learning more common.



# Lab



A **lab** is a hands-on way to learn about different areas of biology. Biologists perform **experiments** to help answer questions about the world around them. Most of what has been learned by biologists was discovered by performing experiments. Labs could consist of watching a plant grow or looking at a model. Labs and their results make biology easier to understand.



# quiz

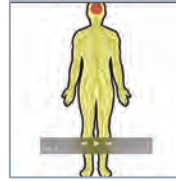
**Circle** the correct answer.

**1.** Biology is the study of \_\_\_\_.

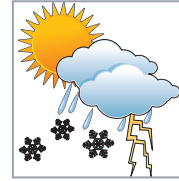
life



animation



climate



**2.** \_\_\_\_ study biology.

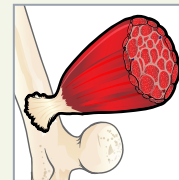
Animals



Biologists



Muscles



**3.** Biologists learn new things by doing \_\_\_\_.

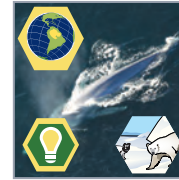
experiments



polar

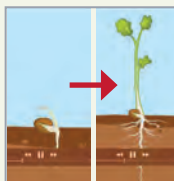


images



**4.** A \_\_\_\_ is a good way to learn biology concepts.

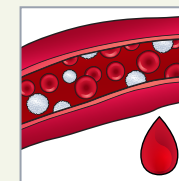
dynamic



lab



blood



5. A \_\_\_\_ shows what something looks like in real life.

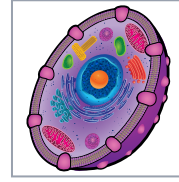
biology



exercise



model



6. Movement can be shown with \_\_\_\_.

animation



image



adapt

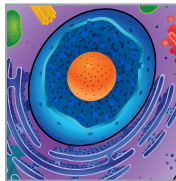


7. Something is \_\_\_\_ if it is always changing or moving.

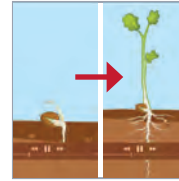
lab



nucleus



dynamic



write about it