

# **Biology**

## **STAAR Alternate 2**

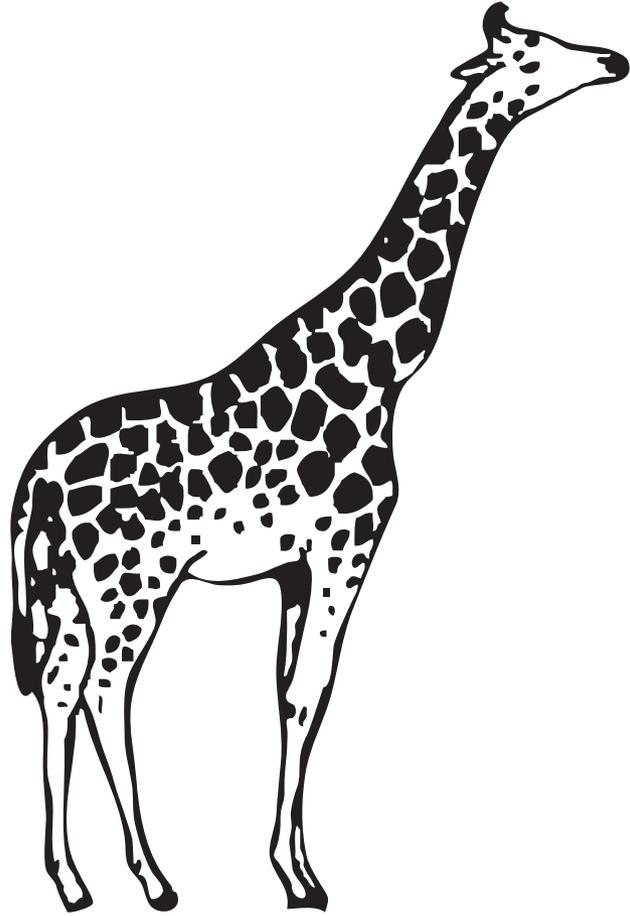
**Administered April 2016**

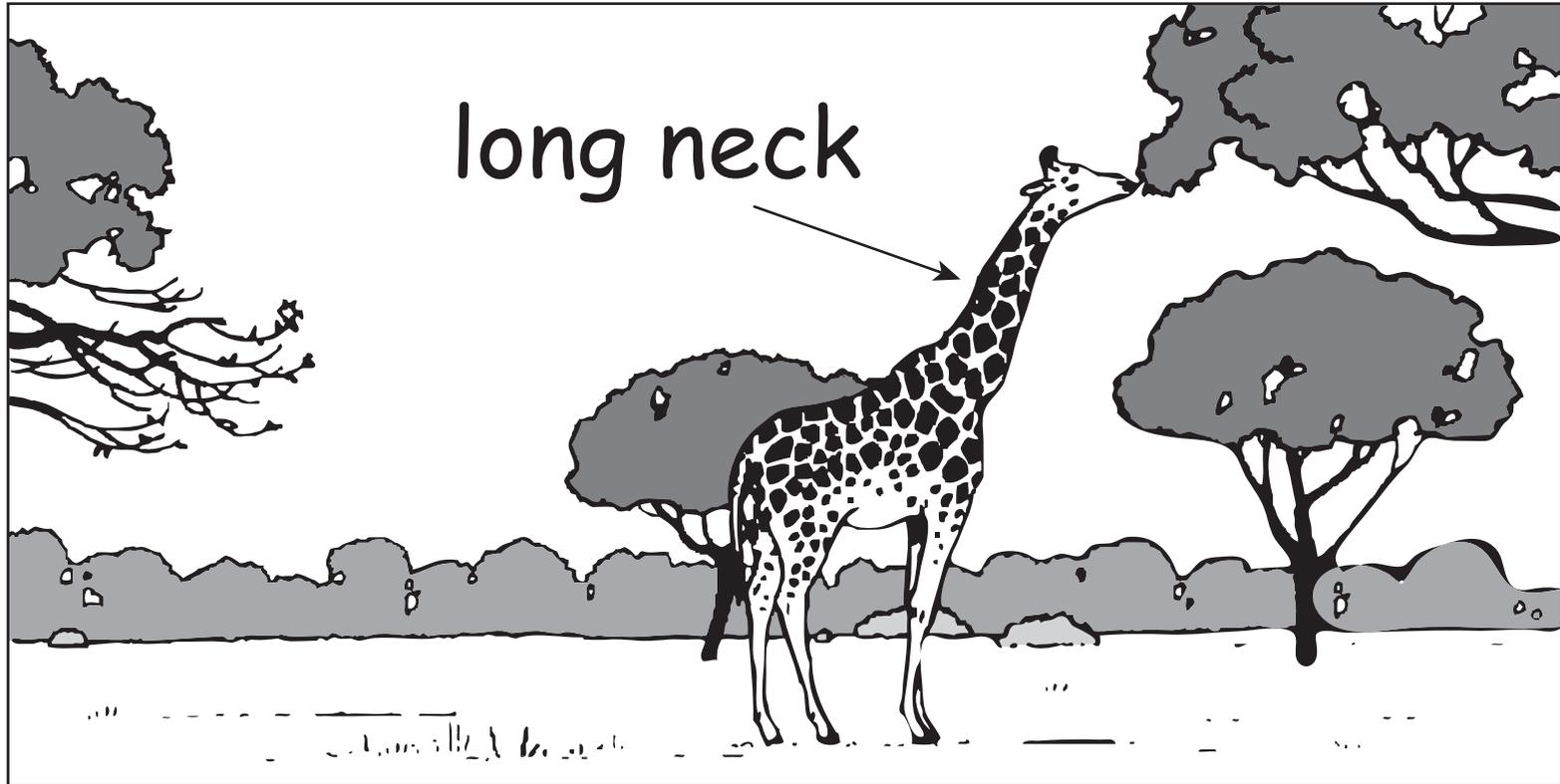
**RELEASED**



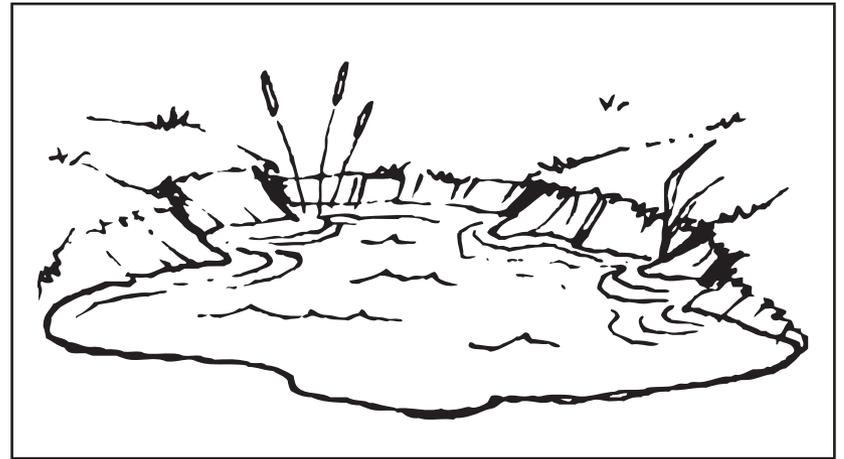
# BIOLOGY



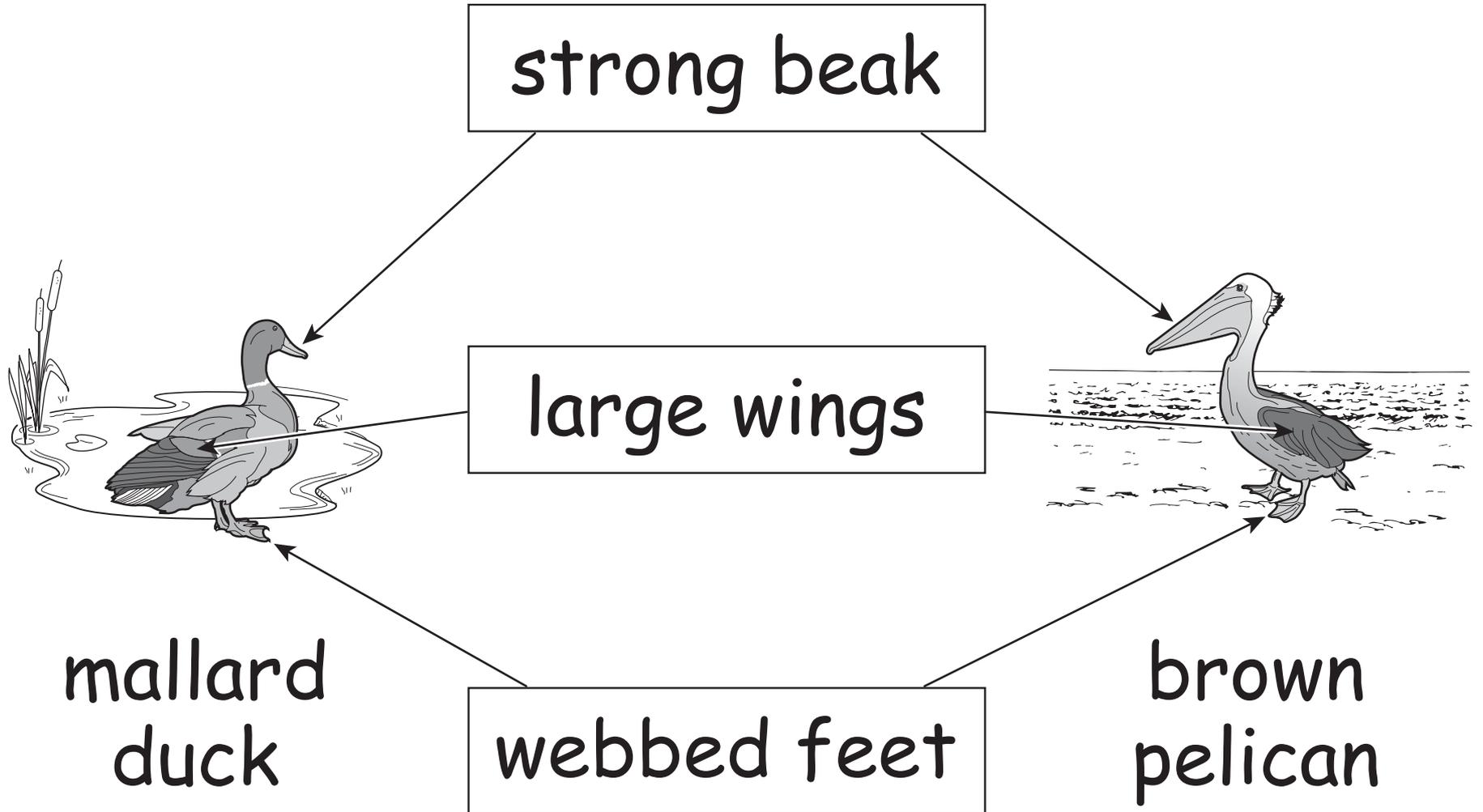




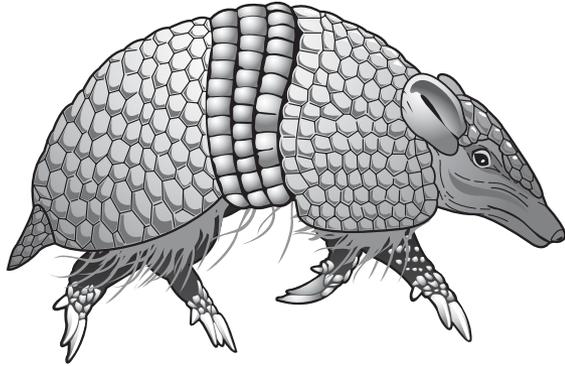
2b







## Three-banded Armadillo



The  
three-banded  
armadillo has a  
thick bony plate  
that covers most  
of its body.

## Striped Skunk



The striped  
skunk has special  
glands that can  
produce a  
bad odor.

help them when they move through rough terrain

help protect them from predators

help them find a mate



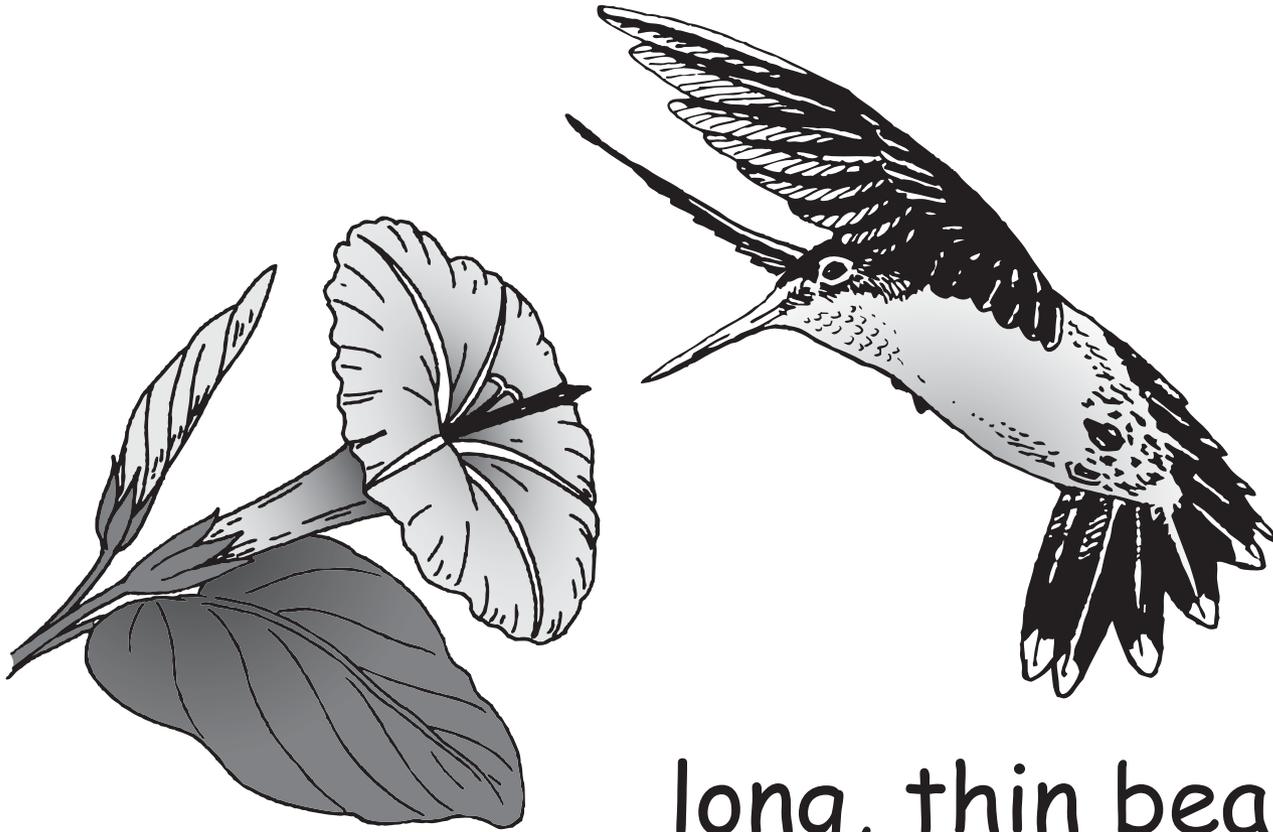
# Hummingbird

strong wings

small body

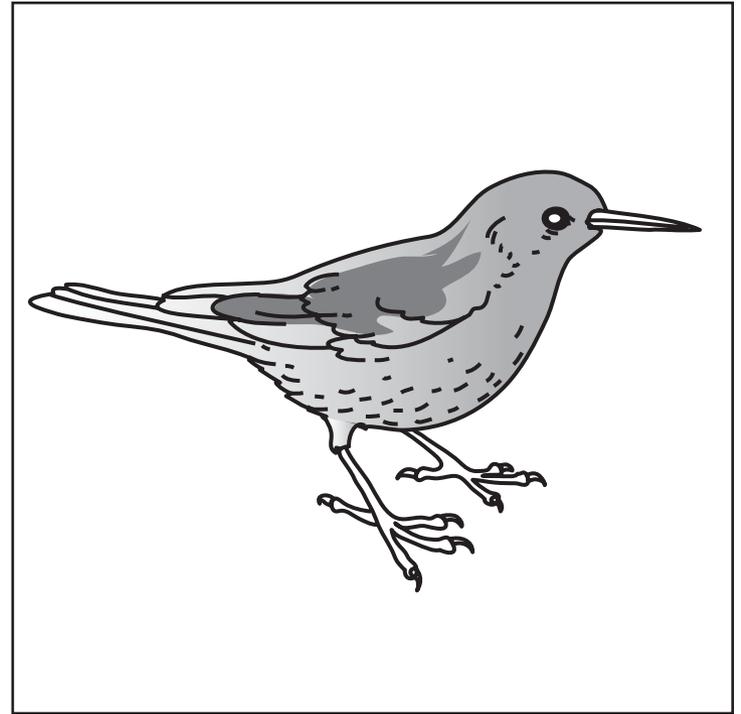
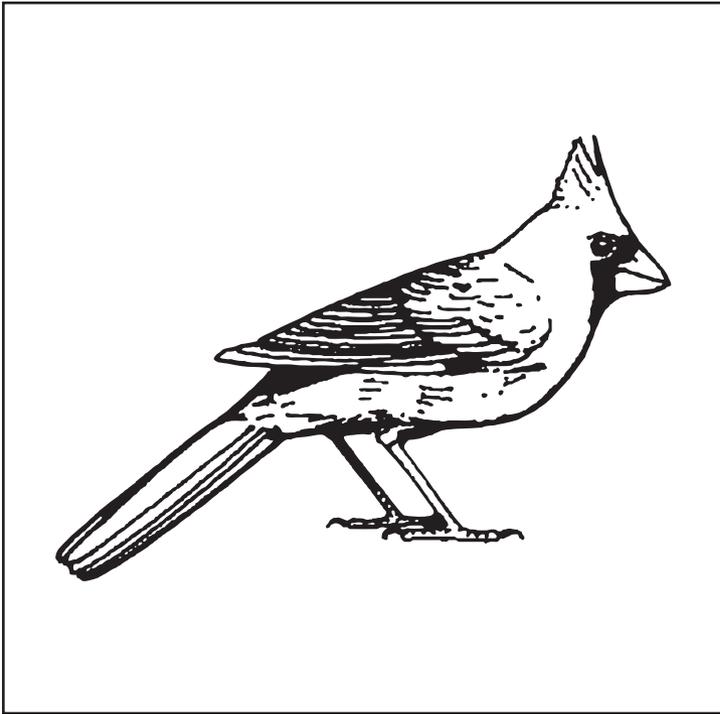


long, thin beak



long, thin beak

6b



7a



fangs

to drink  
water  
from a  
pond

to gather  
materials  
to make a  
shelter

to tear  
meat into  
smaller  
pieces

8a



© woojpn/iStock/Thinkstock

spider monkey



© Christopher Meder/iStock/Thinkstock

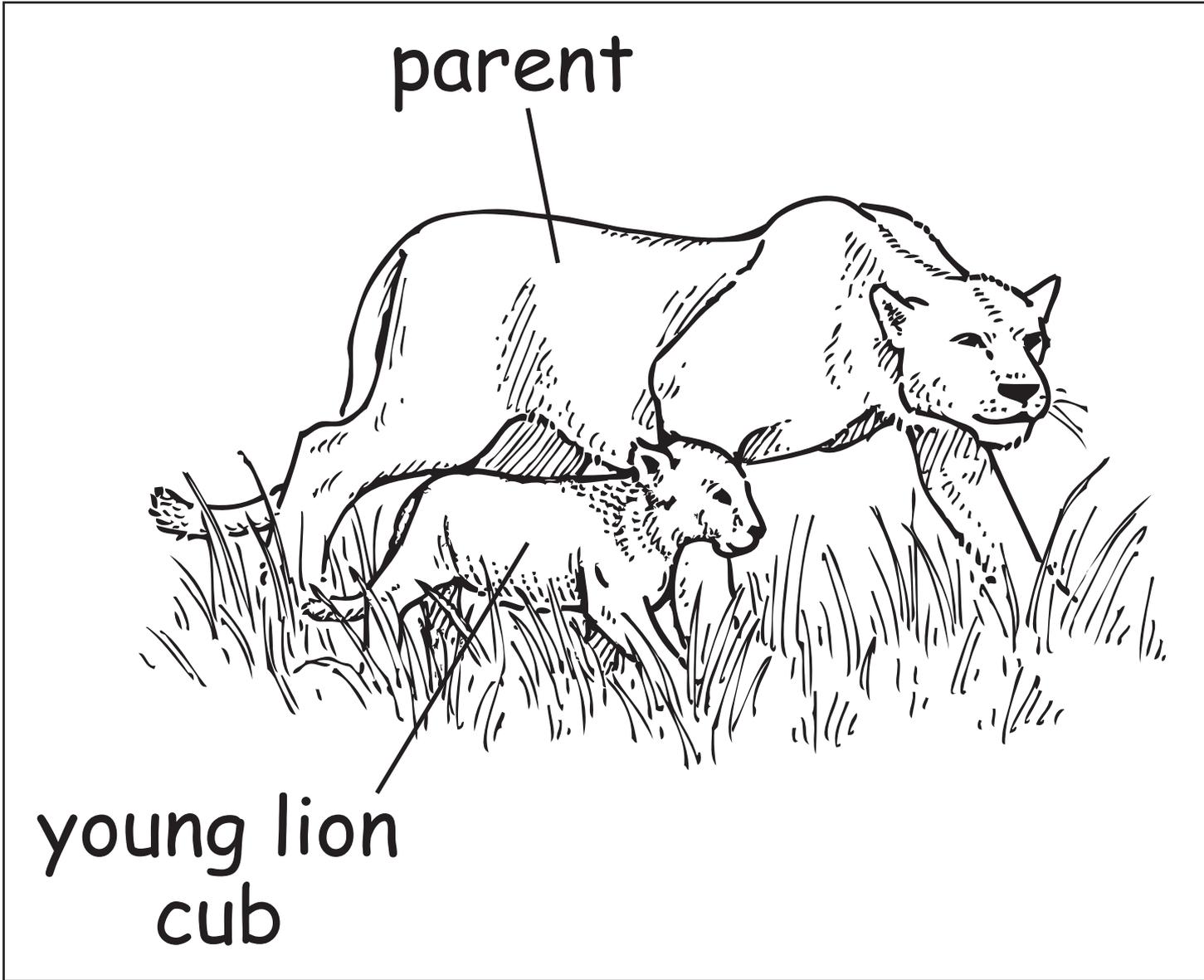
kangaroo

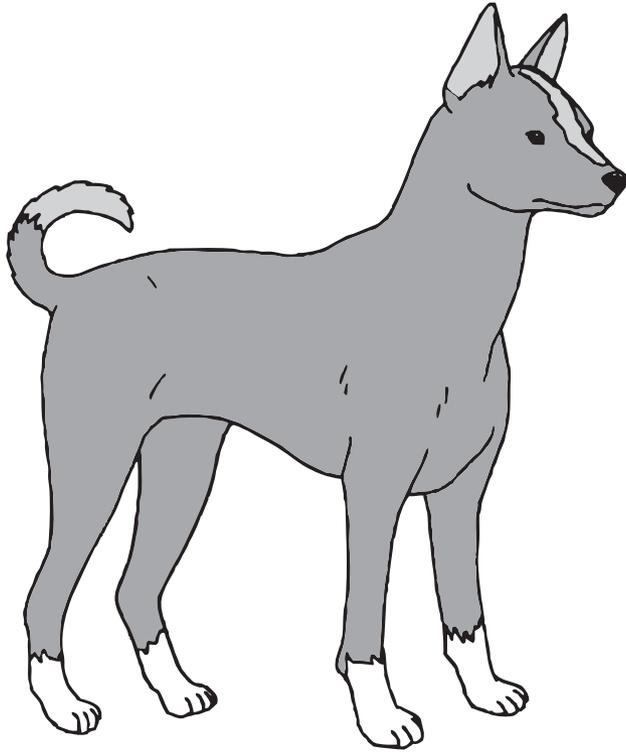
by helping the animals grab and hold their food

by helping the animals move and balance in their environment

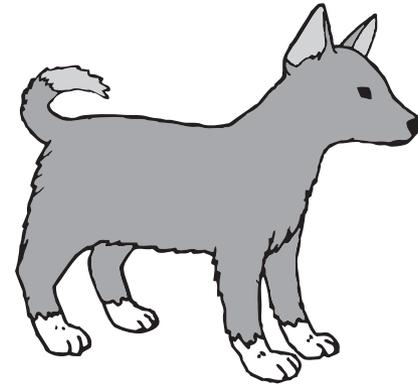
by helping the animals hold and carry their young







parent



puppy



11a



black hair  
and many  
freckles

keyboarding  
and many  
freckles

black hair  
and  
keyboarding

# Investigation of Inherited Traits

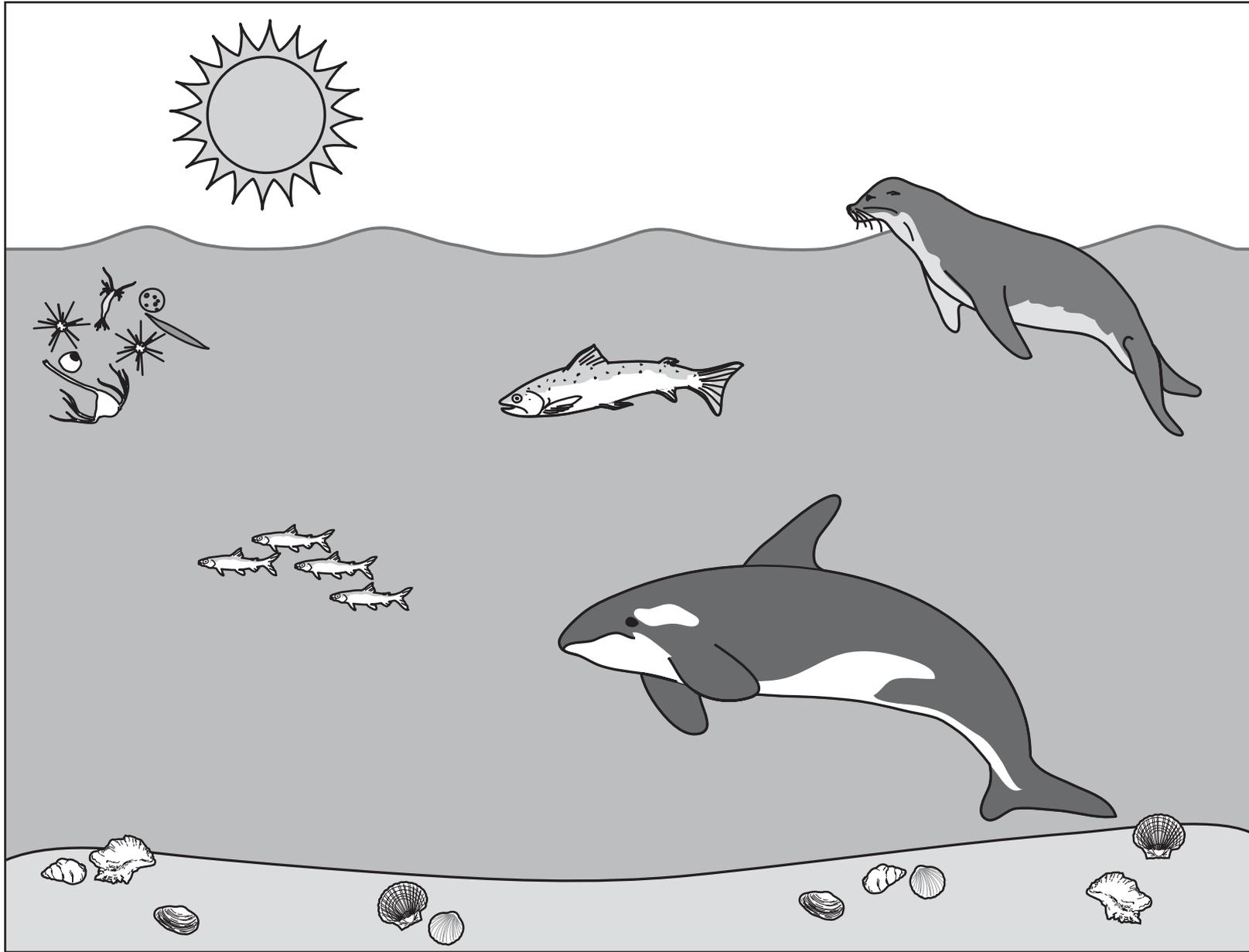
Student	What color are your eyes?	Do you have dimples?	?
Anna	Blue	No	
Bob	Brown	No	
Cindy	Blue	Yes	

Do you  
play the  
piano?

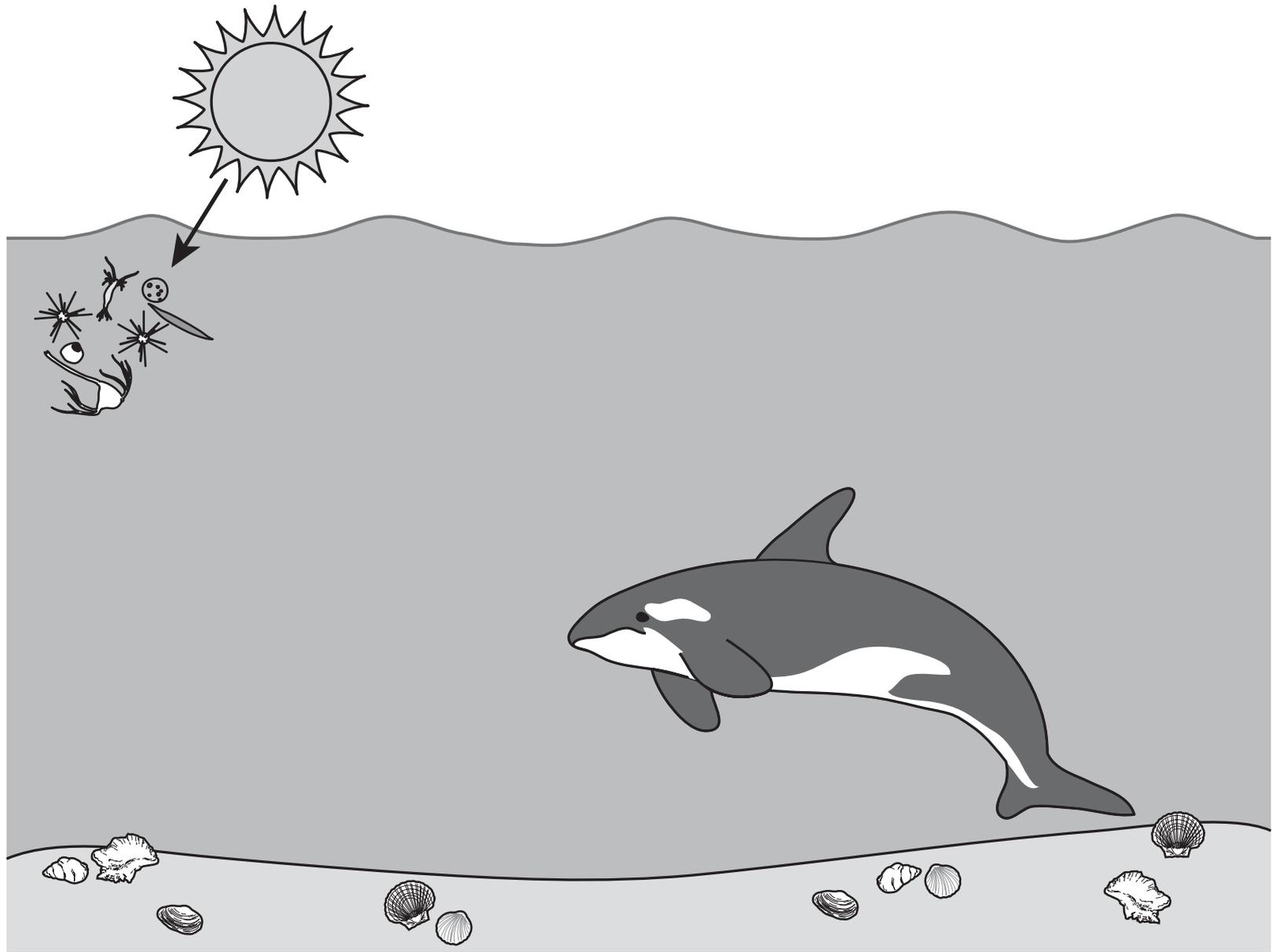
Do you  
ride a  
bicycle?

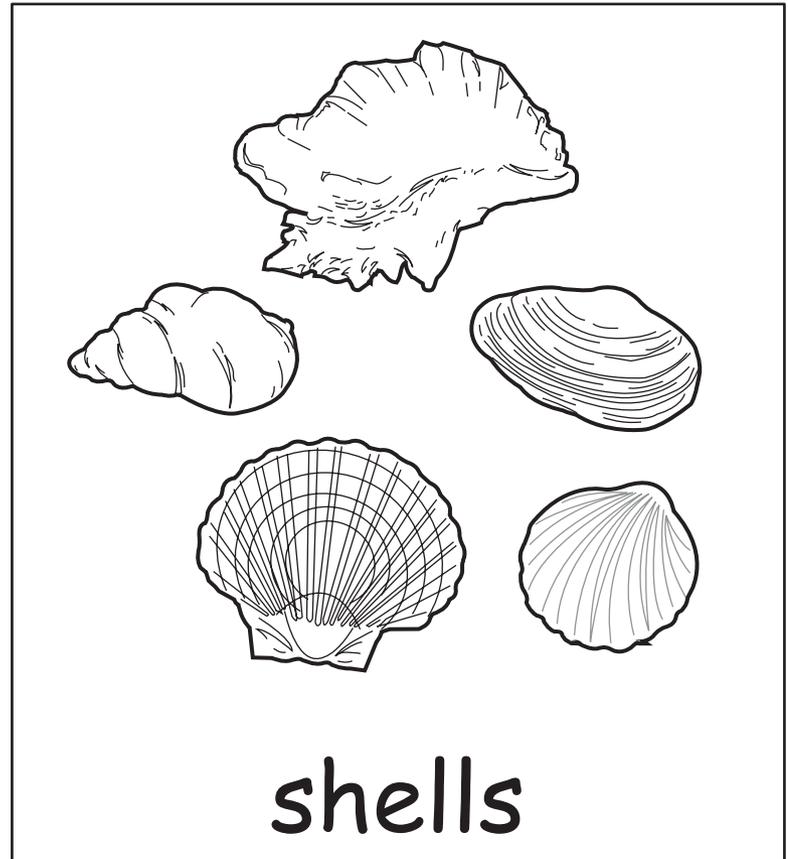
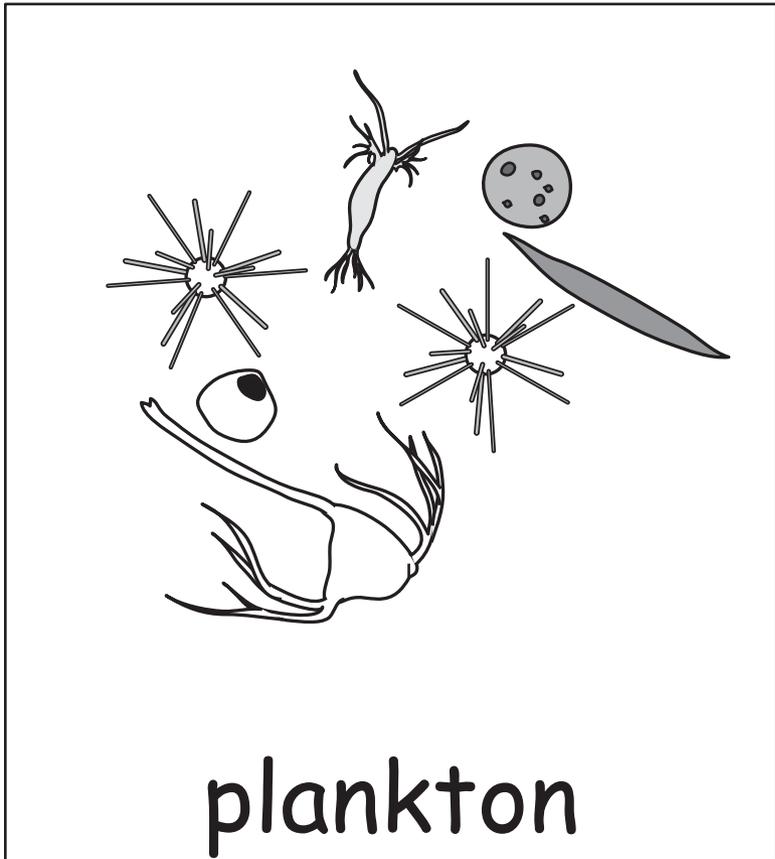
Do you  
have  
curly  
hair?

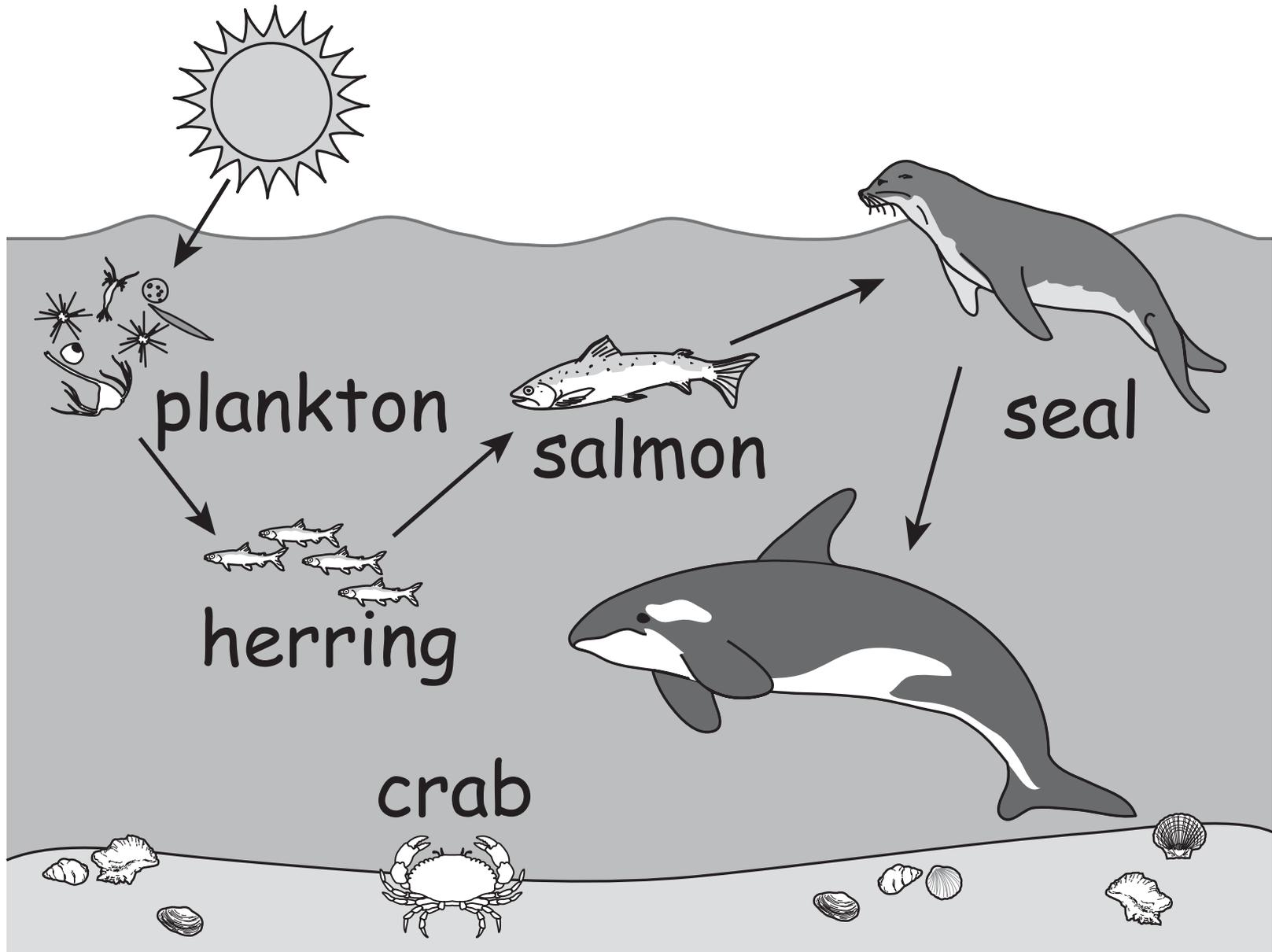


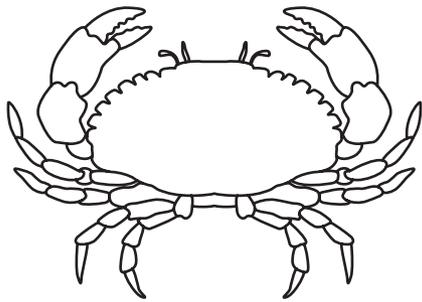


14a

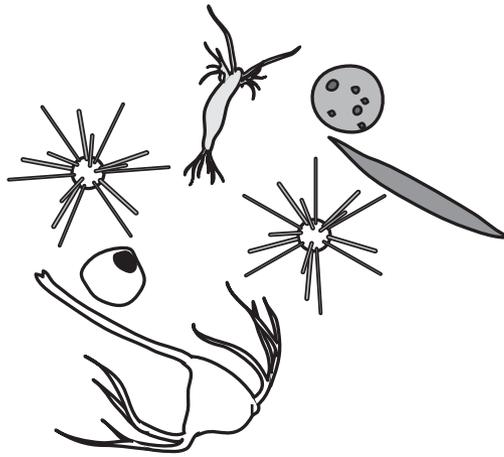




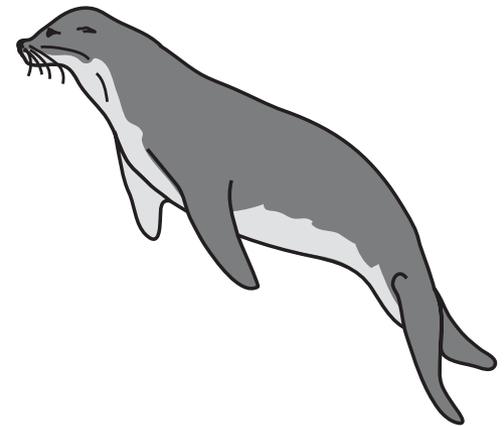




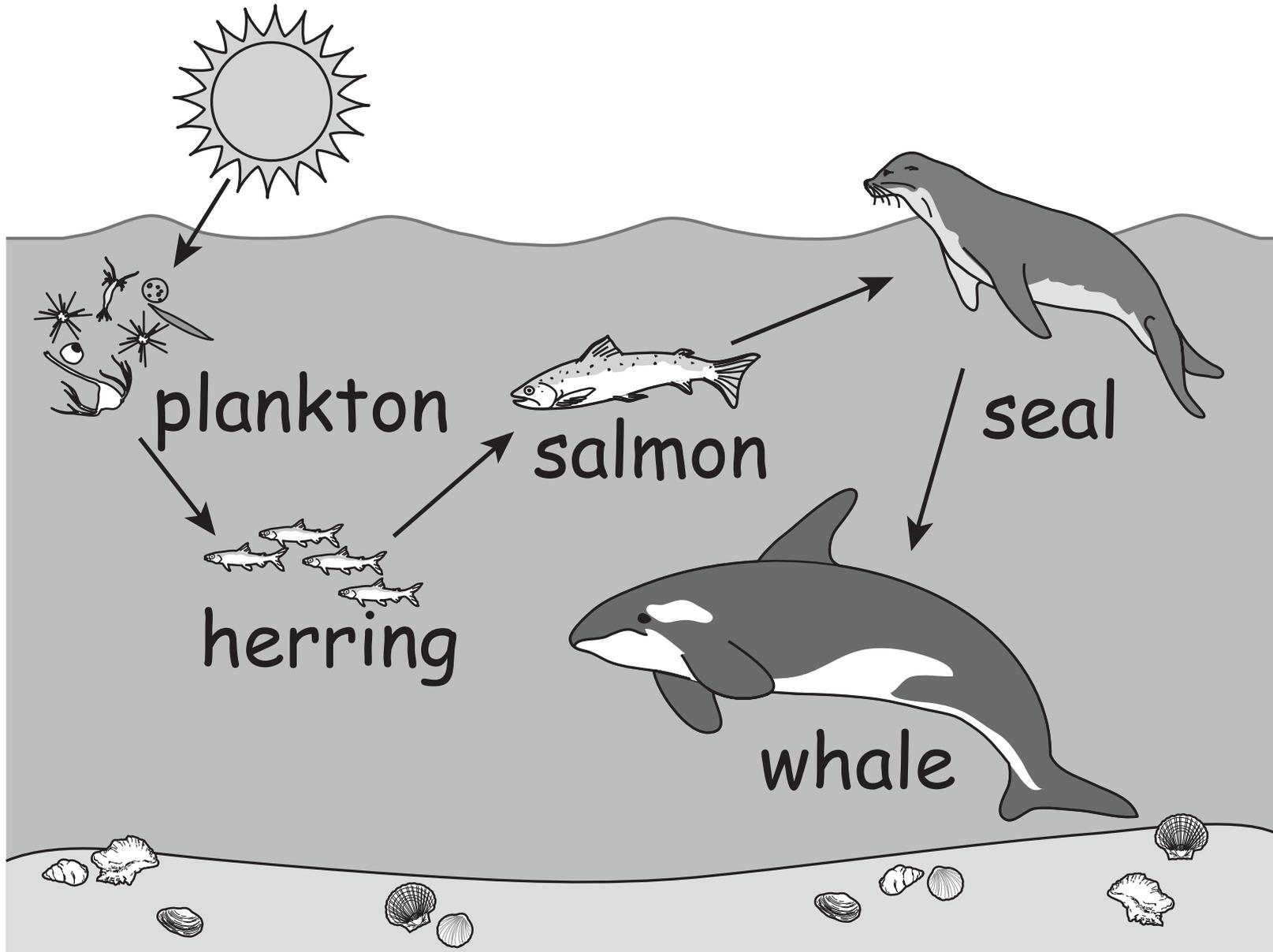
crab



plankton



seal

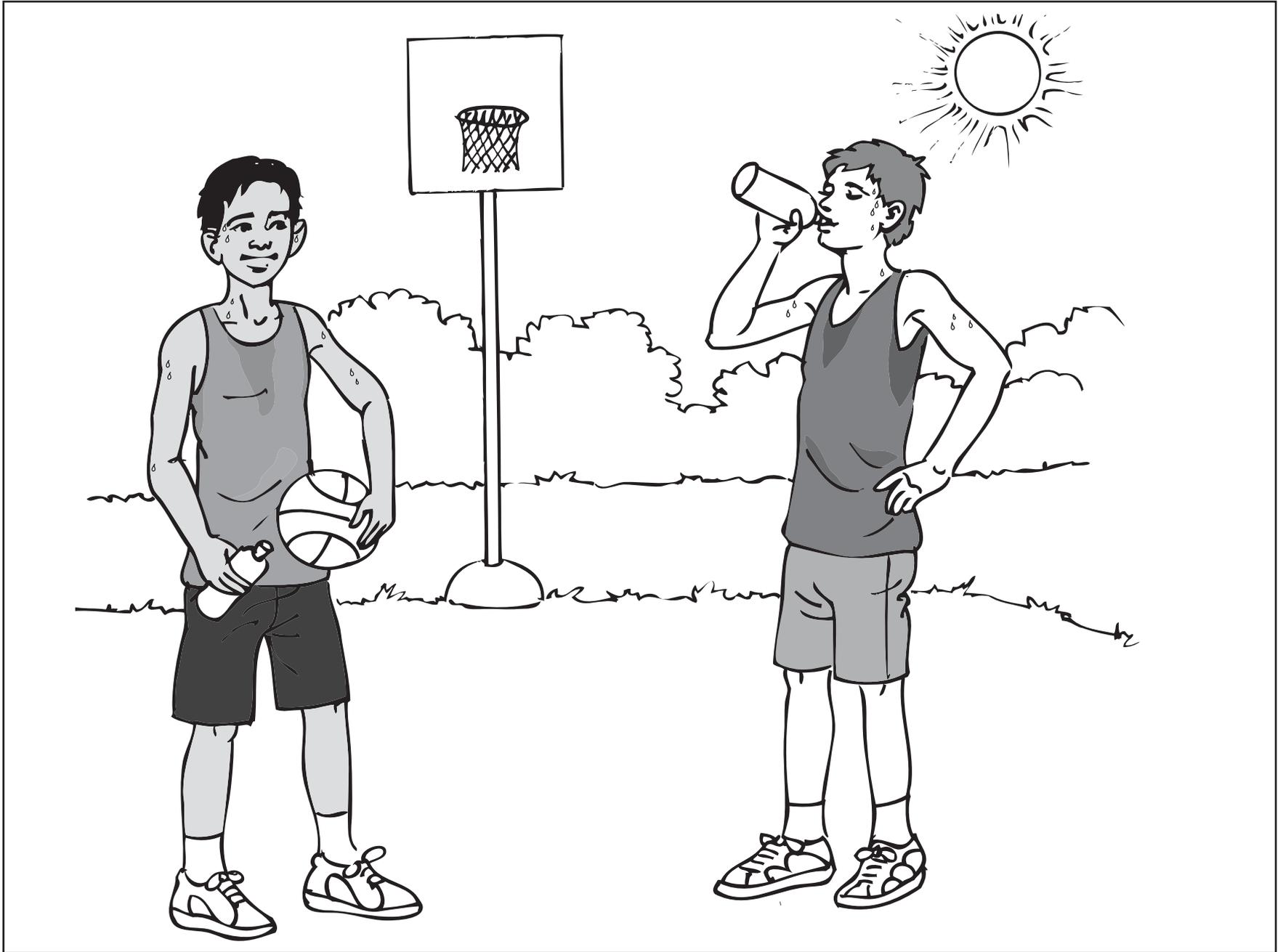


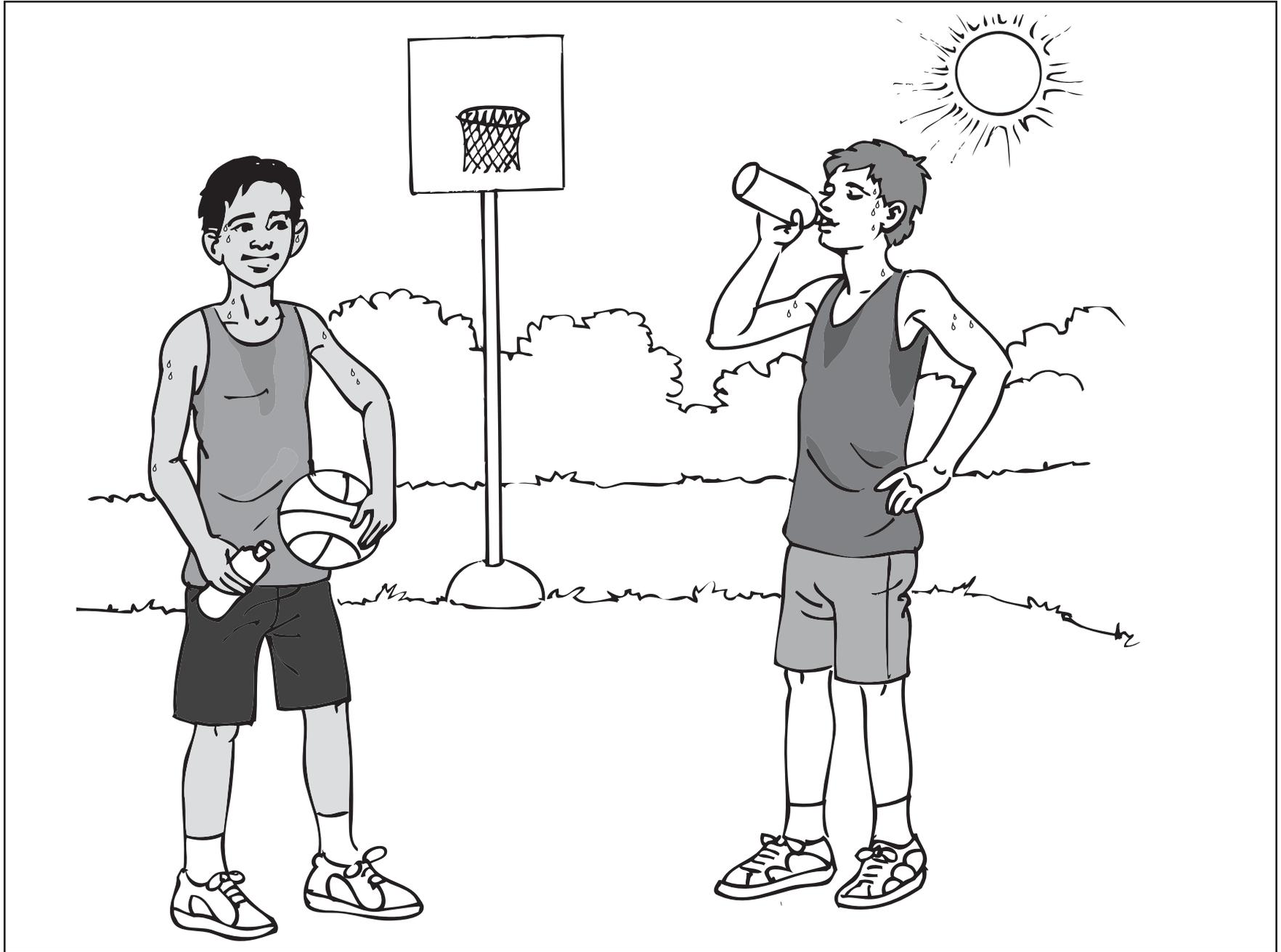
The number of herring  
will decrease.

The number of seals  
will decrease.

The number of plankton  
will increase.



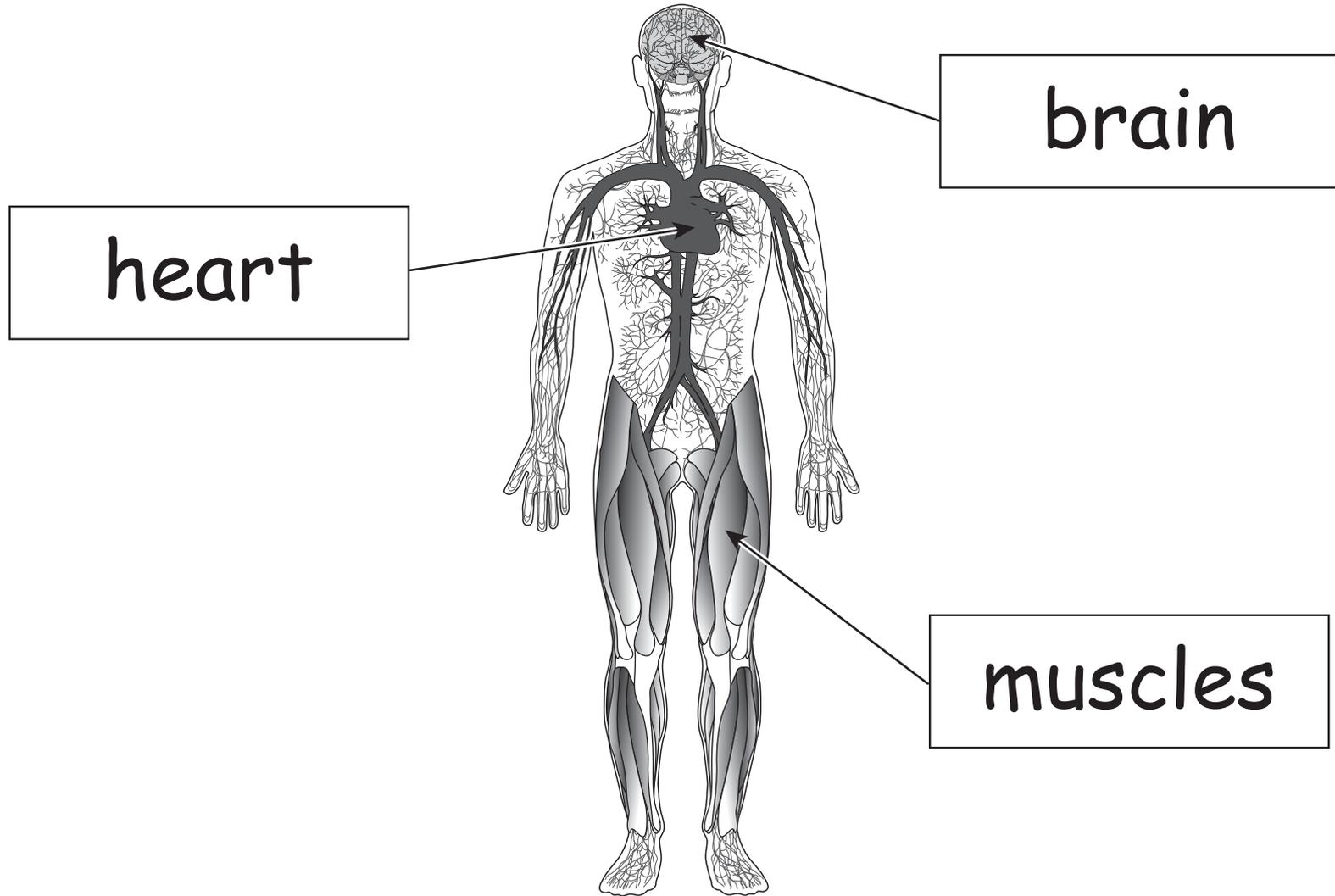








# Human Circulatory System



## Heart Rates for an Average 16-Year-Old

	Heart Rate at Rest	60-90 beats per minute
	Heart Rate with Some Exercise	90-143 beats per minute
	Heart Rate with a Lot of Exercise	143-175 beats per minute

Some  
exercise  
has no  
effect on  
your heart  
rate.

A lot of  
exercise  
makes your  
heart beat  
faster.

No  
exercise  
improves  
your heart  
function.

**STAAR ALTERNATE 2**  
**Biology**  
**April 2016**

TX1105443 1 2 3 4 5 A B C D E Printed in the USA DPSS/ISD15259