Connecticut Alternate Science Assessment

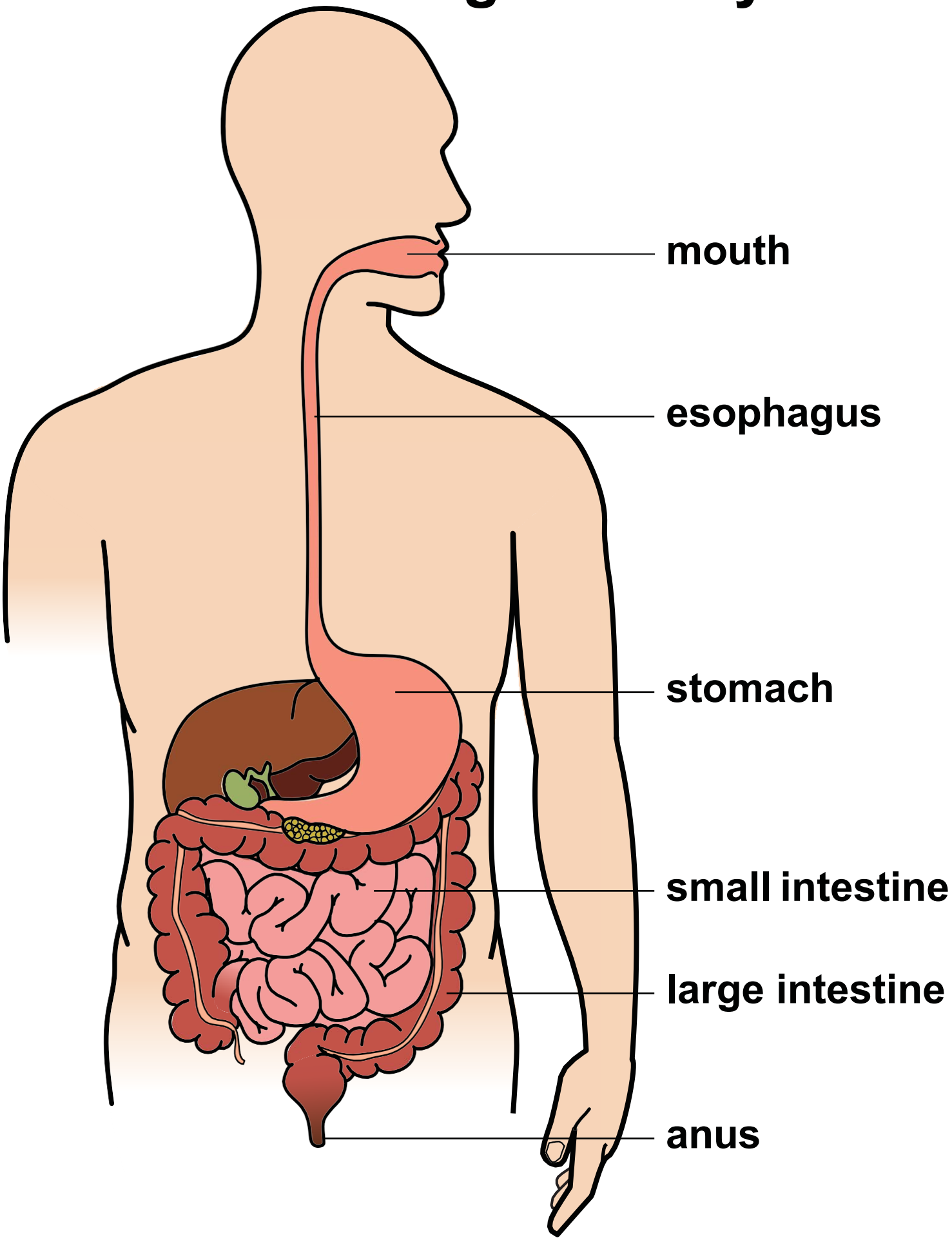
Grade 11 Resource Packet

Life Science

Storyline 3: Living Organisms

PUBLISHED FALL 2018
Reprinted Fall 2023

Parts of the Digestive System



Connecticut Alternate Science
Storyline 3 Grade 11 – Activity 1 Resource 1:
Parts of the Digestive System Poster

absorbs nutrients

absorbs blood

absorbs bones

absorbs organs

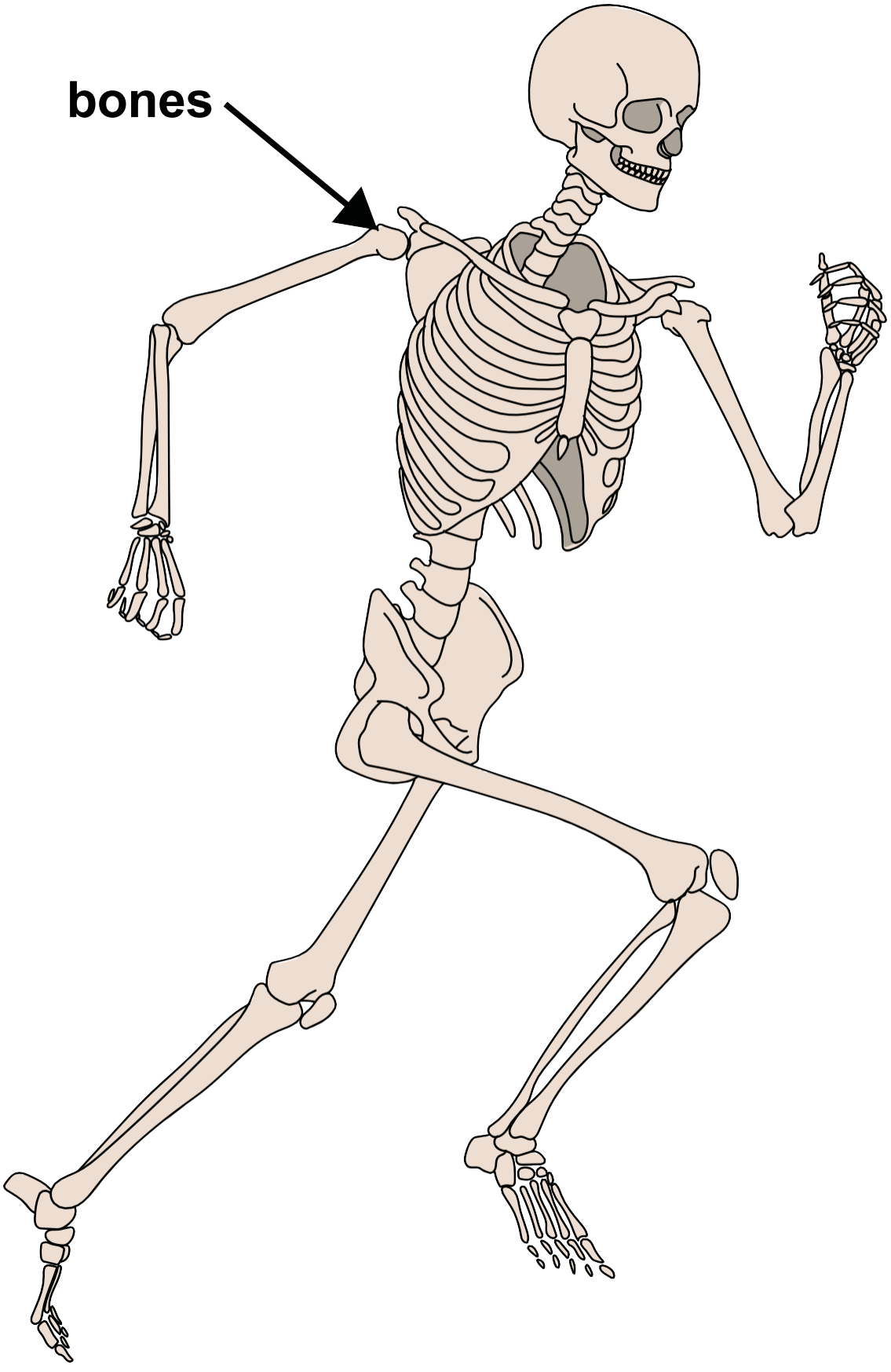
CT ALT Science
Storyline 3 Grade 11 –
Activity 1 Resource 2:
Card 2d – organs

CT ALT Science
Storyline 3 Grade 11 –
Activity 1 Resource 2:
Card 2c – bones

CT ALT Science
Storyline 3 Grade 11 –
Activity 1 Resource 2:
Card 2b – blood

CT ALT Science
Storyline 3 Grade 11 –
Activity 1 Resource 2:
Card 2a – nutrients

Skeletal System

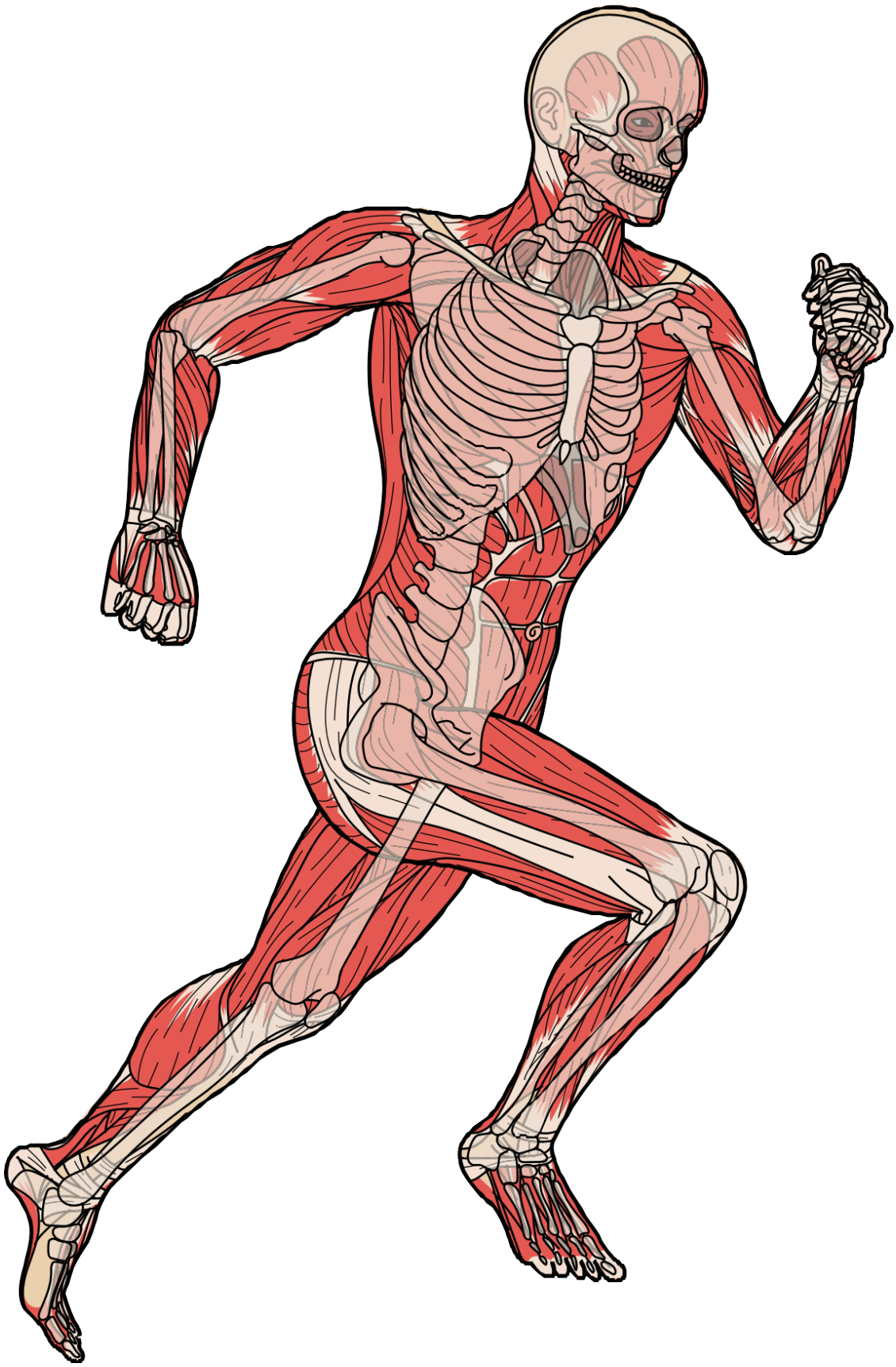


Connecticut Alternate Science
Storyline 3 Grade 11 – Activity 2 Resource 1a:
Skeletal System Poster

Muscular System

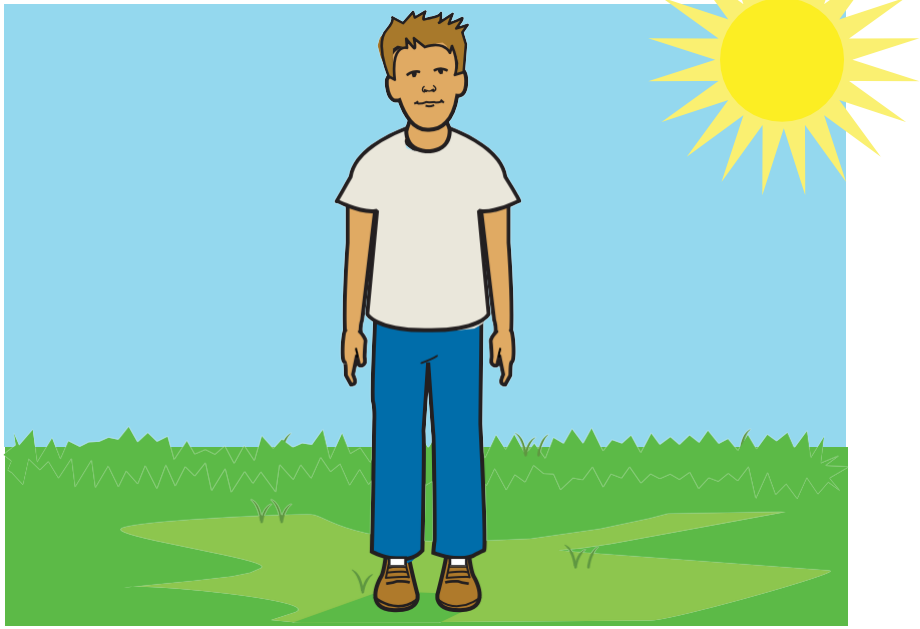
Connecticut Alternate Science
Storyline 3 Grade 11 – Activity 2 Resource 1b:
Muscular System Poster

Skeletal and Muscular Systems Working Together

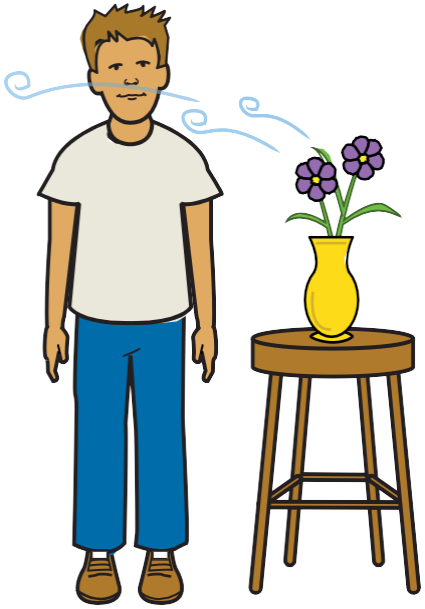


Connecticut Alternate Science
Storyline 3 Grade 11 – Activity 2 Resource 1c:
Skeletal and Muscular Systems Working Together Poster

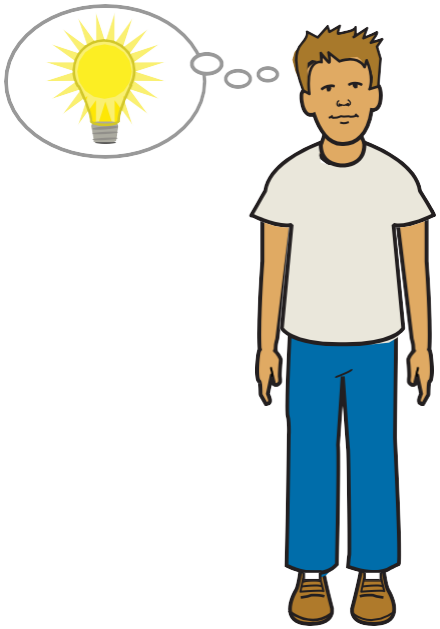
feel heat



smell flowers



think of ideas



raise a hand

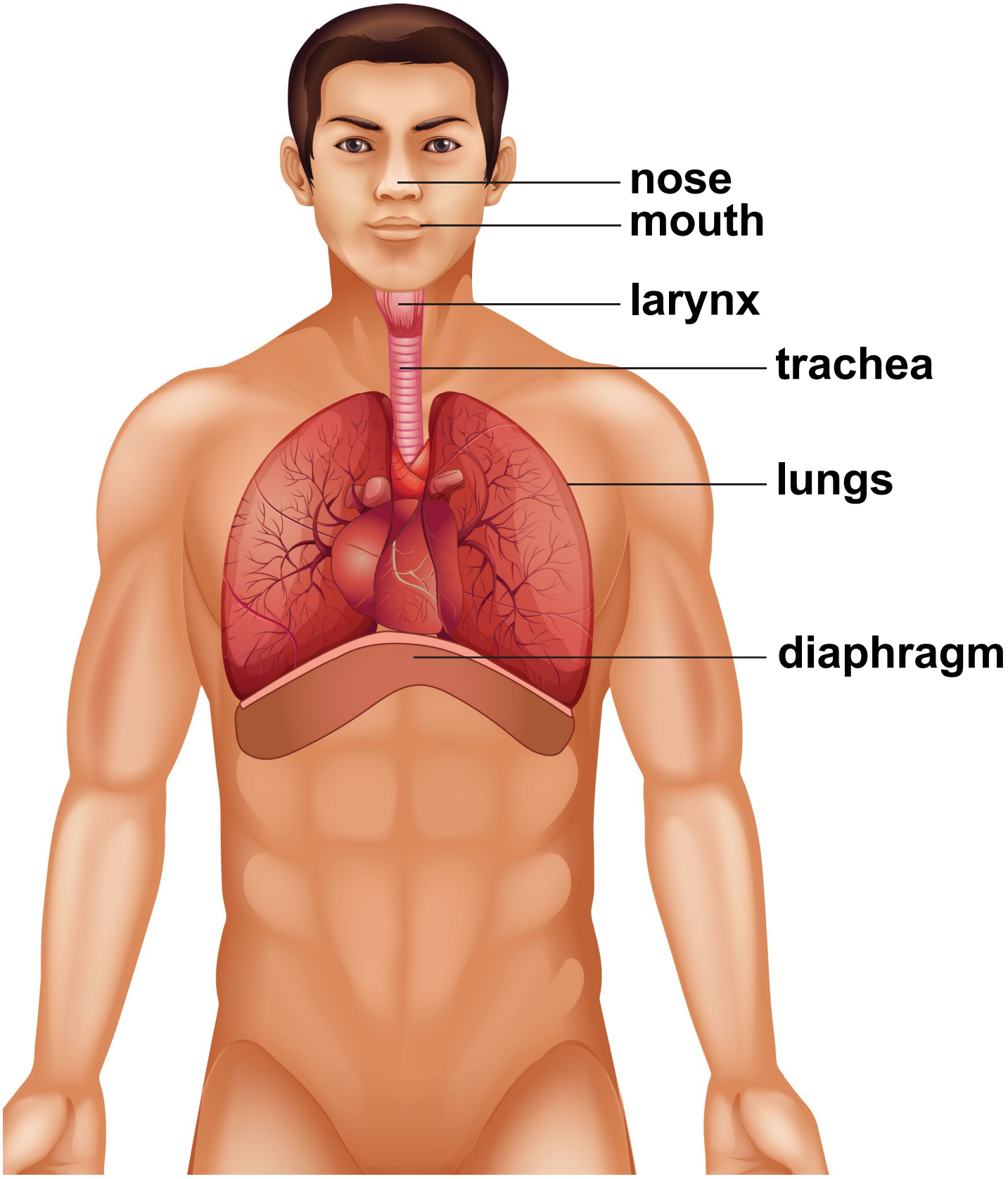
Connecticut Alternate Science
Storyline 3 Grade 11 – Activity 2 Resource 2:
Card 2b – smell flowers

Connecticut Alternate Science
Storyline 3 Grade 11 – Activity 2 Resource 2:
Card 2a – feel heat

Connecticut Alternate Science
Storyline 3 Grade 11 – Activity 2 Resource 2:
Card 2d – raise a hand

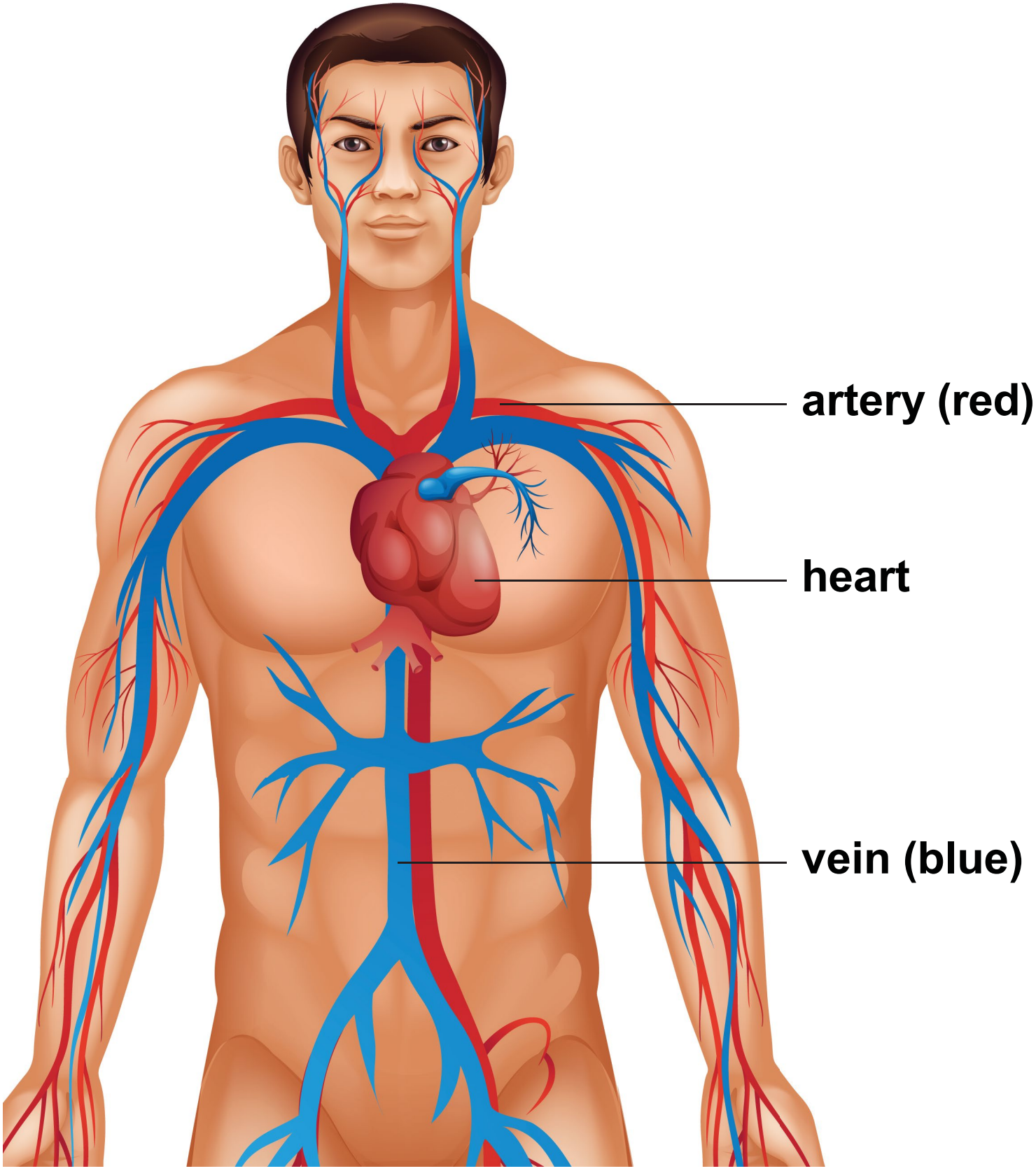
Connecticut Alternate Science
Storyline 3 Grade 11 – Activity 2 Resource 2:
Card 2c – think of ideas

Respiratory System



Connecticut Alternate Science
Storyline 3 Grade 11 – Activity 3 Resource 1:
Respiratory System Poster

Circulatory System



Connecticut Alternate Science
Storyline 3 Grade 11 – Activity 3 Resource 2:
Circulatory System Poster

support the breathing of air

move blood throughout the body

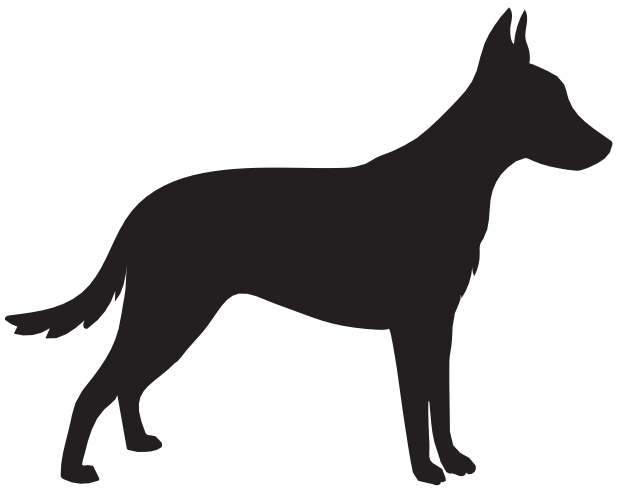
take in food to be digested

Connecticut Alternate Science
Storyline 3 Grade 11 – Activity 3 Resource 3:
Strip 3a – breathing of air

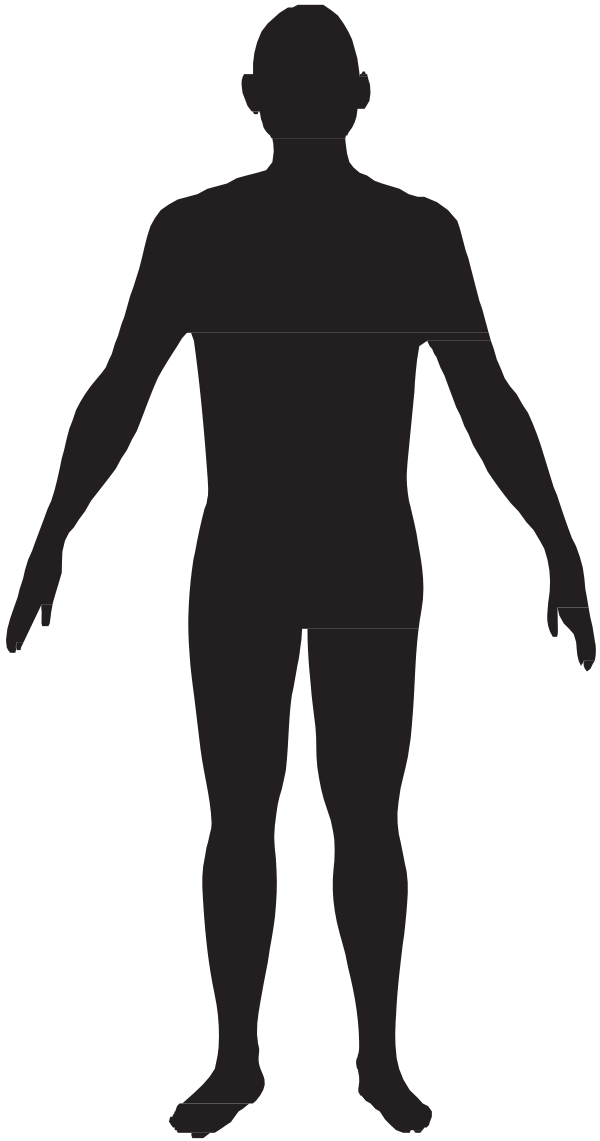
Connecticut Alternate Science
Storyline 3 Grade 11 – Activity 3 Resource 3:
Strip 3b – blood throughout the body

Connecticut Alternate Science
Storyline 3 Grade 11 – Activity 3 Resource 3:
Strip 3b – food to be digested

Three Organisms



dog

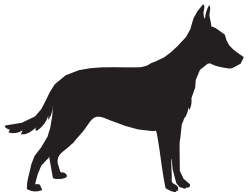


human

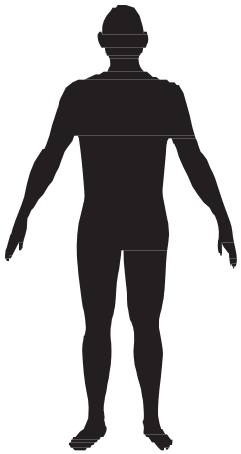
mouse

Connecticut Alternate Science
Storyline 3 Grade 11 – Activity 4 Resource 1:
Three Organisms Poster

dog



human



mouse

CT ALT Science
Storyline 3 Grade 11 –
Activity 4 Resource 2:
Card 2c – mouse

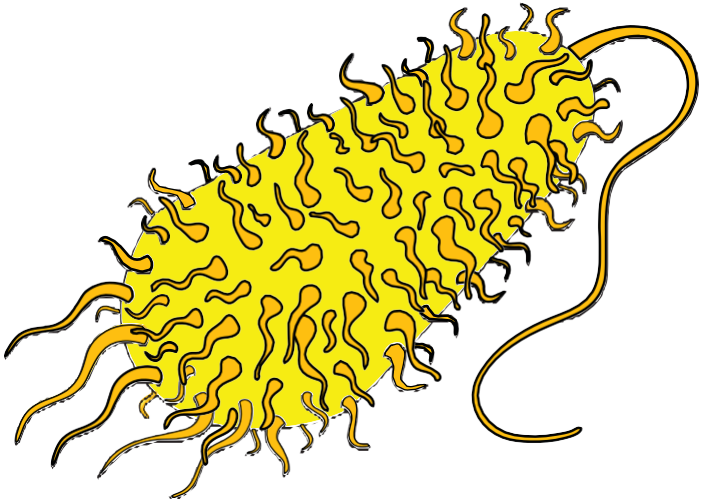
CT ALT Science
Storyline 3 Grade 11 –
Activity 4 Resource 2:
Card 2b – human

CT ALT Science
Storyline 3 Grade 11 –
Activity 4 Resource 2:
Card 2a – dog

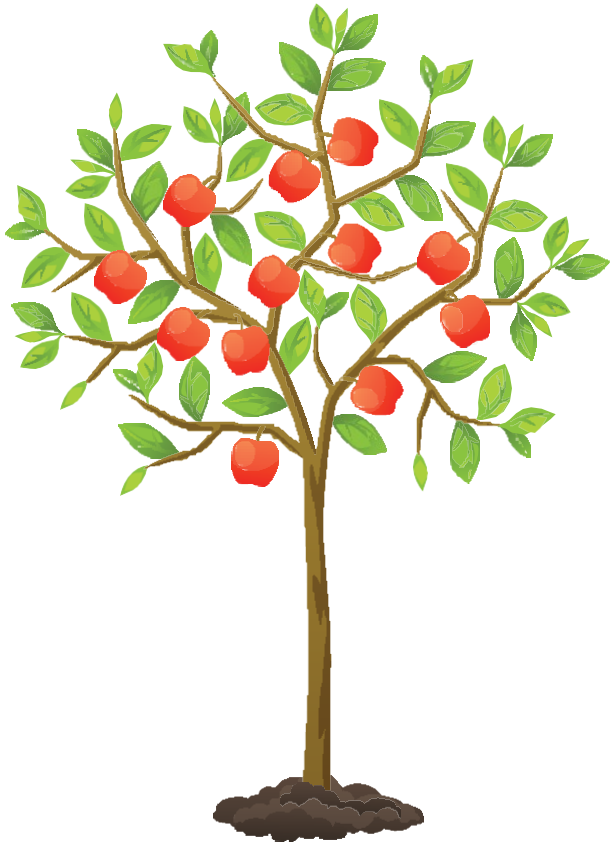
Organisms

Humans

Bacteria



Plants



Connecticut Alternate Science
Storyline 3 Grade 11 – Activity 5 Resource 1:
Organisms Poster

Humans	Bacteria	Plants	

CT ALT Science
Storyline 3 Grade 11 –
Activity 5 Resource 2:
Card 2c – Plants

CT ALT Science
Storyline 3 Grade 11 –
Activity 5 Resource 2:
Card 2b – Bacteria

CT ALT Science
Storyline 3 Grade 11 –
Activity 5 Resource 2:
Card 2a – Humans

Humans and plants are more complex than bacteria.

The bacteria are more complex than humans and plants.

Plants are as complex as bacteria.

Connecticut Alternate Science
Storyline 3 Grade 11 – Activity 5 Resource 3:
Sentence Strip 3a – humans and plants more complex

Connecticut Alternate Science
Storyline 3 Grade 11 – Activity 5 Resource 3:
Sentence Strip 3b – bacteria more complex

Connecticut Alternate Science
Storyline 3 Grade 11 – Activity 5 Resource 3:
Sentence Strip 3c – plants as complex

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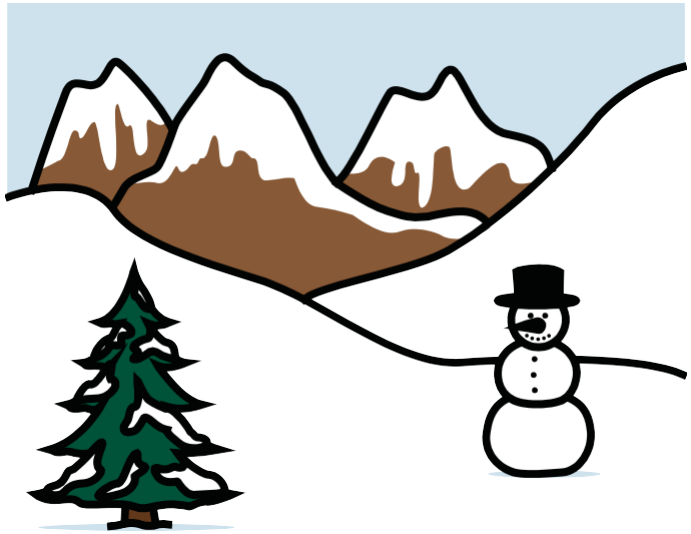
winter



shiver

sweat

yawn

Connecticut Alternate Science
Storyline 3 Grade 11 – Activity 6 Resource 1:
Card 1b – shiver

Connecticut Alternate Science
Storyline 3 Grade 11 – Activity 6 Resource 1:
Card 1a – winter

Connecticut Alternate Science
Storyline 3 Grade 11 – Activity 6 Resource 1:
Card 1d – yawn

Connecticut Alternate Science
Storyline 3 Grade 11 – Activity 6 Resource 1:
Card 1c – sweat

Student Running

Connecticut Alternate Science
Storyline 3 Grade 11 – Activity 7 Resource 1:
Student Running Poster

Heart Rate and Breathing Rate Before and During the Run

	Heart Rate	Breathing Rate
Before the Run	60 beats per minute	15 breaths per minute
During the Run	120 beats per minute	30 breaths per minute

Connecticut Alternate Science
Storyline 3 Grade 11 – Activity 7 Resource 2:
Heart Rate and Breathing Rate Before and During the Run Data Table Poster

to digest more food

to breathe more air

to pump more blood

Connecticut Alternate Science
Storyline 3 Grade 11 – Activity 7 Resource 3:
Strip 3a – digest food

Connecticut Alternate Science
Storyline 3 Grade 11 – Activity 7 Resource 3:
Strip 3b – breathe air

Connecticut Alternate Science
Storyline 3 Grade 11 – Activity 7 Resource 3:
Strip 3c – pump blood

Connecticut Alternate Science Assessment

Grade 11 Resource Packet

Life Science

Storyline 4: Healthy Ecosystems

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Connecticut Alternate Science
Storyline 4 Grade 11 – Activity 1 Resource 1:
Forest Ecosystem Poster

amount of food

size of rocks

direction of wind

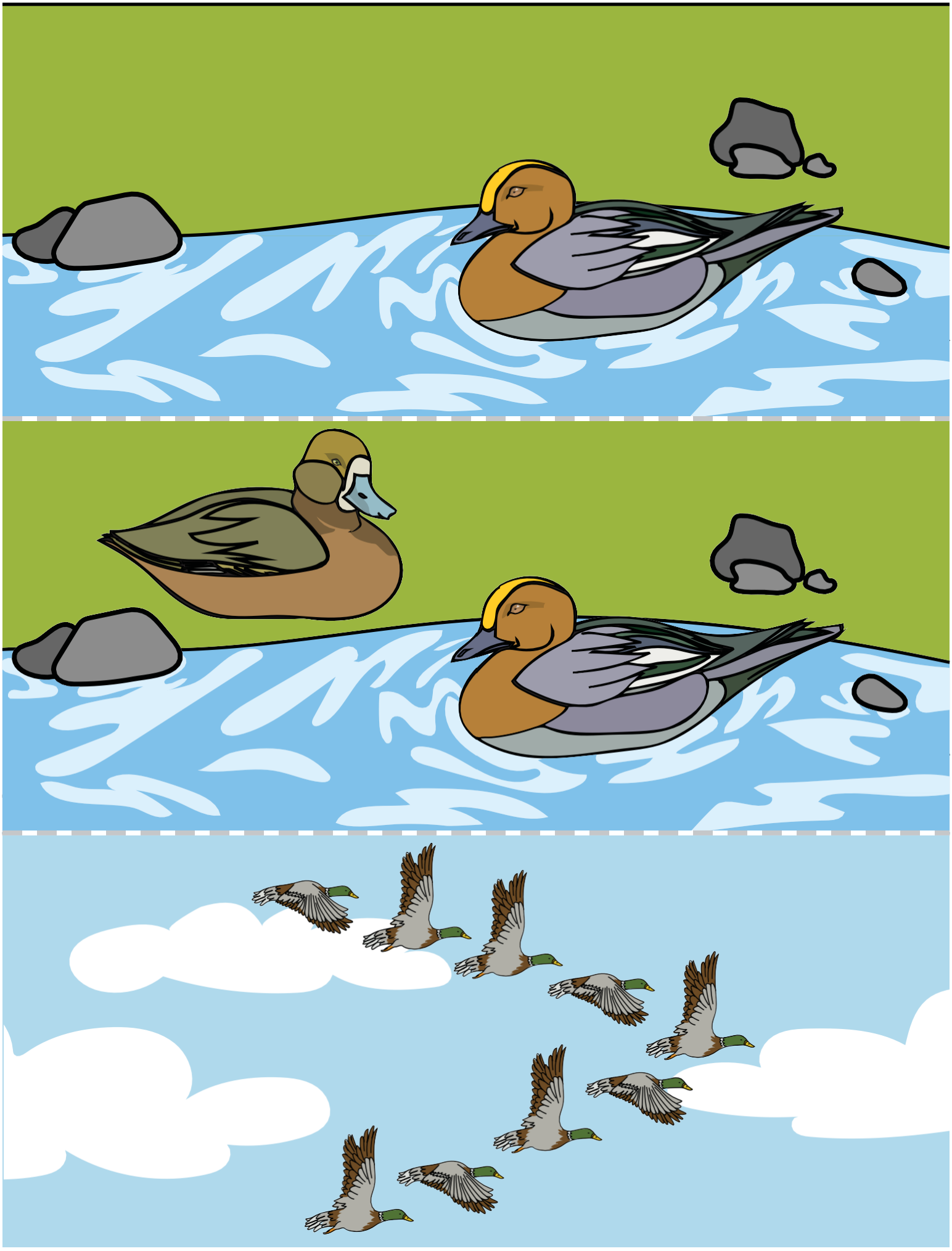
clean water

Connecticut Alternate Science
Storyline 4 Grade 11 – Activity 1 Resource 2:
Strip 2a – food

Connecticut Alternate Science
Storyline 4 Grade 11 – Activity 1 Resource 2:
Strip 2b – rocks

Connecticut Alternate Science
Storyline 4 Grade 11 – Activity 1 Resource 2:
Strip 2c – wind

Connecticut Alternate Science
Storyline 4 Grade 11 – Activity 1 Resource 2:
Strip 2d – water

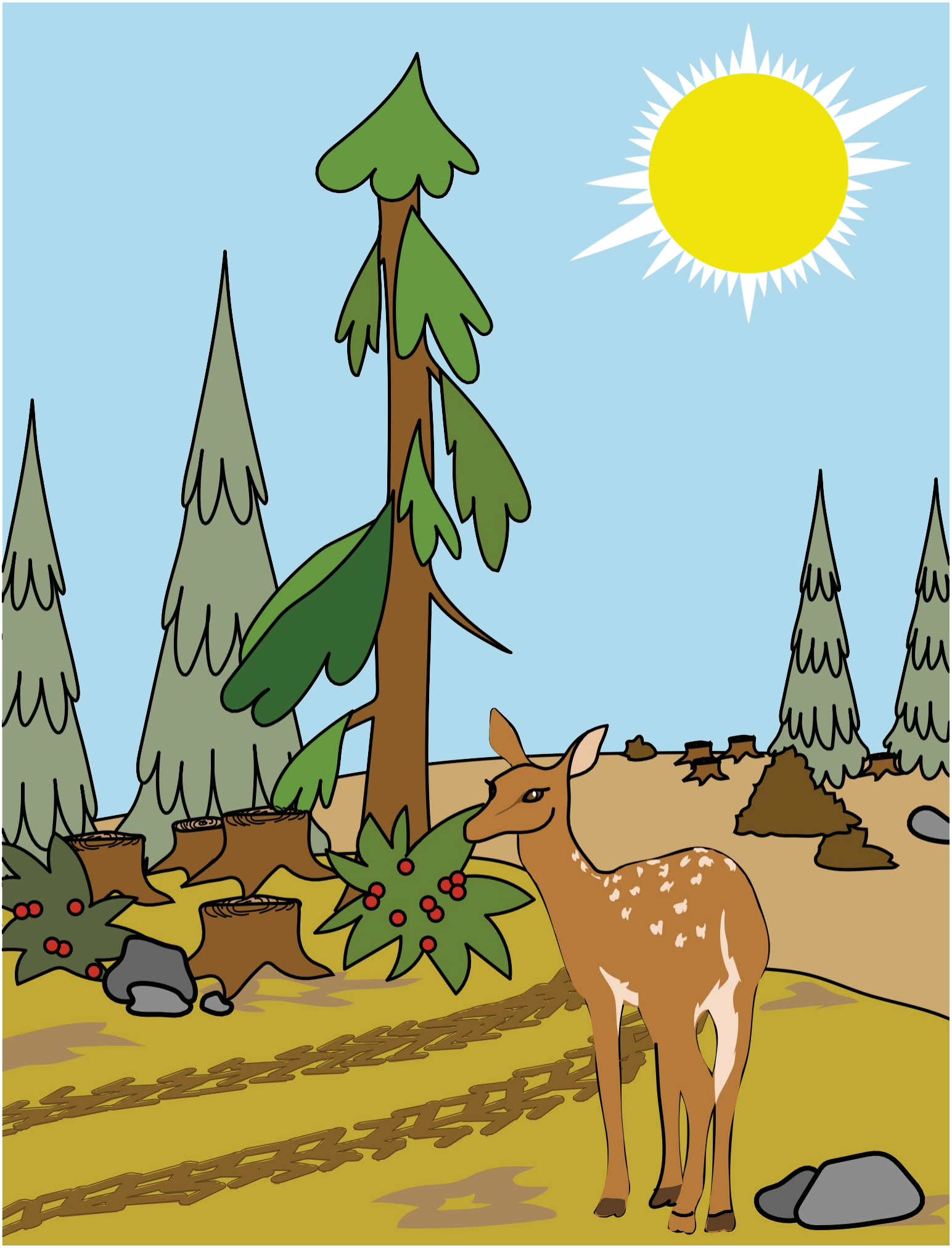


Connecticut Alternate Science
Storyline 4 Grade 11 – Activity 2 Resource 1:
Strip – One Duck in Pond Poster

Connecticut Alternate Science
Storyline 4 Grade 11 – Activity 2 Resource 1:
Strip 1b – Two Ducks in Pond Poster

Connecticut Alternate Science
Storyline 4 Grade 11 – Activity 2 Resource 1:
Strip 1c – Ducks in V-Pattern Poster

Connecticut Alternate Science
Storyline 4 Grade 11 – Activity 3 Resource 1:
Healthy Forest Poster



Connecticut Alternate Science
Storyline 4 Grade 11 – Activity 3 Resource 2:
Unhealthy Forest Poster

There is less food for the deer to eat.

There are fewer trees for shelter.

There is less sunlight reaching the forest floor.

There is less rain water for animals to drink.

Connecticut Alternate Science
Storyline 4 Grade 11 – Activity 3 Resource 3:
Sentence Strip 3a – less food

Connecticut Alternate Science
Storyline 4 Grade 11 – Activity 3 Resource 3:
Sentence Strip 3b – fewer trees

Connecticut Alternate Science
Storyline 4 Grade 11 – Activity 3 Resource 3:
Sentence Strip 3c – less sunlight

Connecticut Alternate Science
Storyline 4 Grade 11 – Activity 3 Resource 3:
Sentence Strip 3d – less rain water

Birds and Trees in a Forest

Time	Number of Trees	Number of Birds
Year 1	500	2000
Year 2	300	1000

Connecticut Alternate Science
Storyline 4 Grade 11 – Activity 4 Resource 1:
Birds and Trees in a Forest Data Table Poster

From Year 1 to Year 2, the number of trees _____.

This caused the number of birds to _____.

Connecticut Alternate Science
Storyline 4 Grade 11 – Activity 4 Resource 2:
Statement Poster

increased	increase	decreased	decrease

CT ALT Science
Storyline 4 Grade 11 –
Activity 4 Resource 3:
Card 3d – decrease

CT ALT Science
Storyline 4 Grade 11 –
Activity 4 Resource 3:
Card 3c – decreased

CT ALT Science
Storyline 4 Grade 11 –
Activity 4 Resource 3:
Card 3b – increase

CT ALT Science
Storyline 4 Grade 11 –
Activity 4 Resource 3:
Card 3a – increased

There is less shelter.

There is more water.

There is less sunlight.

Connecticut Alternate Science
Storyline 4 Grade 11 – Activity 4 Resource 4:
Sentence Strip 4a – less shelter

Connecticut Alternate Science
Storyline 4 Grade 11 – Activity 4 Resource 4:
Sentence Strip 4b – more water

Connecticut Alternate Science
Storyline 4 Grade 11 – Activity 4 Resource 4:
Sentence Strip 4c – less sunlight

Birds have more places to build a nest.

Deer will have less grass to eat.

Deer will have more predators.

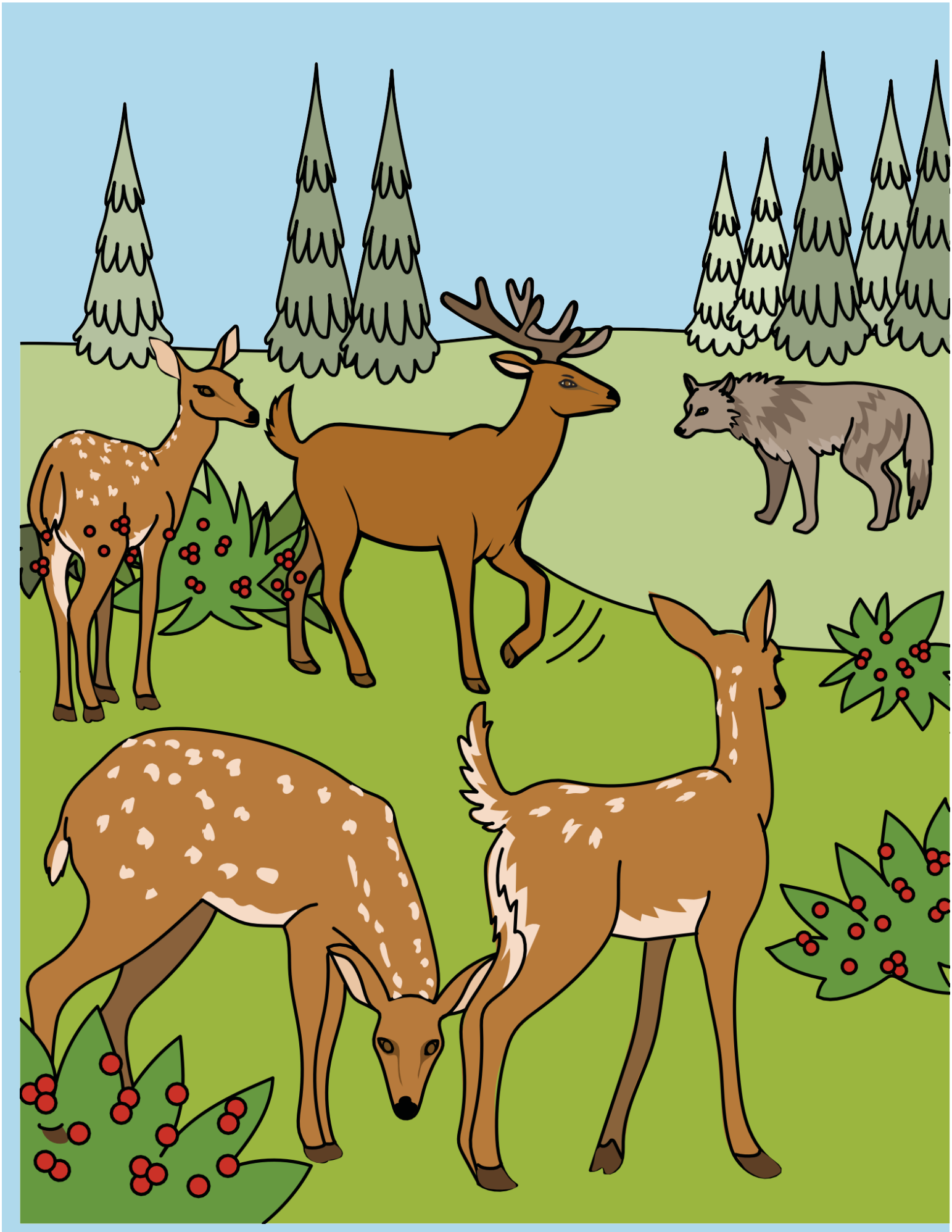
Birds will have less places to hide.

Connecticut Alternate Science
Storyline 4 Grade 11 – Activity 5 Resource 1:
Sentence Strip 1a – birds/nest

ConnecticutAlternate Science
Storyline 4 Grade 11 – Activity 5 Resource 1:
Sentence Strip 1b – deer/grass

ConnecticutAlternate Science
Storyline 4 Grade 11 – Activity 5 Resource 1:
Sentence Strip 1c – deer/predators

ConnecticutAlternate Science
Storyline 4 Grade 11 – Activity 5 Resource 1:
Sentence Strip 1d – birds/hide



Connecticut Alternate Science
Storyline 4 Grade 11 – Activity 6 Resource 1:
Deer Behavior Poster

The deer is in a field.

The deer sees a coyote.

The deer stomps its foot.

The deer raises its tail.

Connecticut Alternate Science
Storyline 4 Grade 11 – Activity 6 Resource 2:
Sentence Strip 2a – field

Connecticut Alternate Science
Storyline 4 Grade 11 – Activity 6 Resource 2:
Sentence Strip 2b – coyote

Connecticut Alternate Science
Storyline 4 Grade 11 – Activity 6 Resource 2:
Sentence Strip 2c – foot

Connecticut Alternate Science
Storyline 4 Grade 11 – Activity 6 Resource 2:
Sentence Strip 2d – tail

Connecticut Alternate Science
Storyline 4 Grade 11 – Activity 7 Resource 1:
Squirrel Poster

This squirrel has grey fur.

This squirrel has an injured tail.

This squirrel lives in a tree.

Connecticut Alternate Science
Storyline 4 Grade 11 – Activity 7 Resource 2:
Sentence Strip 2a – grey

Connecticut Alternate Science
Storyline 4 Grade 11 – Activity 7 Resource 2:
Sentence Strip 2b – tail

Connecticut Alternate Science
Storyline 4 Grade 11 – Activity 7 Resource 2:
Sentence Strip 2c – tree

Mild Forest Ecosystem

Connecticut Alternate Science
Storyline 4 Grade 11 – Activity 8 Resource 1:
Mild Forest Ecosystem Climate Poster

Arctic Forest Ecosystem

Connecticut Alternate Science
Storyline 4 Grade 11 – Activity 8 Resource 2:
Arctic Forest Ecosystem Climate Poster

long ears to give off heat

wide paws to walk on snow

webbed feet to swim

thick fur to stay warm

Connecticut Alternate Science
Storyline 4 Grade 11 – Activity 8 Resource 3:
Strip 3a – long ears

Connecticut Alternate Science
Storyline 4 Grade 11 – Activity 8 Resource 3:
Strip 3b – wide paws

Connecticut Alternate Science
Storyline 4 Grade 11 – Activity 8 Resource 3:
Strip 3c – webbed feet

Connecticut Alternate Science
Storyline 4 Grade 11 – Activity 8 Resource 3:
Strip 3d – thick fur

Bird Beaks Over Time

Time	Number of Birds with Large Beaks	Number of Birds with Small Beaks
Year 1	100	100
Year 10	150	50
Year 20	175	25

Connecticut Alternate Science
Storyline 4 Grade 11 – Activity 9 Resource 1:
Bird Beaks Over Time Data Table Poster

Most of the seeds in the forest are large.

Most of the seeds in the forest are small.

Most of the seeds have broken shells.

Most of the seeds did not grow.

Connecticut Alternate Science
Storyline 4 Grade 11 – Activity 9 Resource 2:
Sentence Strip 2a – large

Connecticut Alternate Science
Storyline 4 Grade 11 – Activity 9 Resource 2:
Sentence Strip 2b – small

Connecticut Alternate Science
Storyline 4 Grade 11 – Activity 9 Resource 2:
Sentence Strip 2c – broken shells

Connecticut Alternate Science
Storyline 4 Grade 11 – Activity 9 Resource 2:
Sentence Strip 2d – not grow