

0	TEACHER	G	U	ID	E
		_	-		

• Assessment Rubric	4
• How Is Our Resource Organized?	5
Bloom's Taxonomy for Reading Comprehension	6
• Vocabulary	6

STUDENT HANDOUTS

• Reading Comprehension

	Reading Comprehension
	1. What Do We Classify?
	2. Formal Classification
	3. Warm-Blooded Animals vs. Cold-Blooded Animals
	4. Vertebrates
	5. Invertebrates
	6. Animal Adaptations 7
	7. A Case Study: The Koala and Its Adaptations
	8. Evolution and the Fossil Record
	• Hands-on Activities
	• Crossword
	• Word Search 16
	• Comprehension Quiz
EZV	EASY MARKING™ ANSWER KEY
	MINI POSTERS 21

✓ 6 BONUS Activity Pages! Additional worksheets for your students

- Go to our website: www.classroomcompletepress.com/bonus
- Enter item CC4501 or Classification & Adaptation
- Enter pass code CC4501D for Activity Pages..



NI	Λ N	ΛE:
IN.	∕ ΛΙ	VI⊏.

Animal Adaptations

1. A HABITAT is the environment in which a plant or animal lives. In the first box, draw a picture of what you think a worm's habitat looks like. In the second box, draw a picture of what you think a fish's habitat looks like. Fill in the whole box for each picture!

A worm's habitat

2. Complete each sentence with a term from the list. Use a dictionary to help you.

	habitat	physical	f eatures	adaptat	ion	physical a	daptation
a)	A(n)specific re	ison.	is some	ething that h	ias bee	en changed fo	or a
b)	The environ	ment in which	h a plant oi	r animal live:	s is call	ed a	,
c)	features.			are things t	hat de	scribe an anir	mal's body
d)	A physical f	feature that h	ıas been ch	nanged for s	urvival	purposes is c	alled a
			,				

Ø.



NAME:

Animal Adaptations

a) The only two th	nings that animals need to	survive are food and water.
True	False	
b) Animals deper	nd on their physical feature	s for survival.
True	False	
c) Animals are al	ole to adapt their physical	features over one lifetime.
True	False	
	, and the shape of the nos cal adaptations.	e are two examples of an
True	False	
e) Animals need homes.	ro find food. They need to s	tay safe. They need to build
True	False	

 Write each word beside its meaning. There is ONE word that does NOT have a matching definition! Use the reading passage or a dictionary to write a definition for the remaining word.

lidbildi elivioli	ment physical leafule adapte	unon physical adaptation
	a) a physical feature that has been	n changed for survival
	purposes	
	b) a feature that describes the ani	ŕ
	c) the environment in which a plar	nt or animal lives
	d) something that has been chang	ged for a specific reason
	e)	

© CLASSROOM COMPLETE PRESS



NAME:

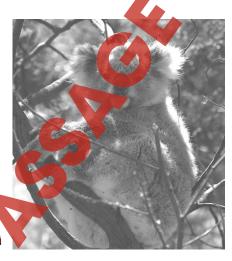




Animal Adaptations

Il animals live in habitats. What is a **habitat**? A habitat is the **environment** in which a plant or animal lives. Habitats provide food, water and shelter. These are the things that animals need in order to survive. There is more to survival than just habitat though.

Animals also depend on their **physical features** for survival. These are things which describe the animal's body features that you can see. Animals need to find food. They need to stay safe. They need to build homes. They need to survive bad weather. They need to attract mating partners. How do they do this? Animals depend on their physical features for these things. They go through process called **physical adaptation**. An adaptation



is something that has been changed for a specific reason. Animals do not adapt their physical features over one lifetime. They do not develop their physical adaptations in a short period of time. Rather, their physical adaptations develop over many generations.



Do you think the number of FINGERS an animal has affects its survival? Explain how.

Let's look at some examples of physical adaptations which help different animals survive. The color of the fur, how thick or thin the fur is, the number of fingers, the shape of the nose or legs, and the shape of a bird's beak are all examples of physical adaptations. Can you name the animal in the picture above? If you said **koala** you are correct! The koala has one special physical adaptation that helps it live in a tree. Keep reading to find out what it is!

© CLASSROOM COMPLETE PRESS



Classification & Adaptation CCP4501-6

NAMF:

After You Read



Animal Adaptations

Answer the questions in complete sentences.

- 3. What is a habitat? Give two examples to support your answ
- 4. How do animals depend on their physical features for survival?
- **5.** Give an example of a **physical adaptation**. How would inhelp an animal survive in its habitat?

Extension and Application

6. Get Your Coupons Here... Physical Adaptations for a Low Price!

We have learned that animals do not develop their **physical adaptations** in a short period of time. Rather, their physical adaptations develop over many generations. For this activity however, we will pretend that animals will be able to buy their own physical adaptation. Yes, you will definitely need to use your imagination for this activity!

Gather information about 1 animal and its possible physical adaptations. You will use this information to **design a coupon** that you would see in a magazine or a newspaper. What is a **coupon**? It is a voucher that gives somebody a discount on something. Your coupon will not sell food or clothing. Instead, it will **sell physical adaptations to animals**. Include the following information on your coupon:

- A picture of the animal
- A slegar (the slogan should "sell" the adaptation, convincing the animal who is going shopping that it should buy this physical adaptation! It should answer the question: How does this adaptation help with survival?)
- A price (how much is this physical adaptation going to cost the animal?)
- Information about the animal and what purpose this physical adaptation serves

Stretch your imagination and be as creative as possible!







How Important Are Thumb

The goal of this activity is to provide you with a chance to understand how important the thumb is for animals. You will disco

- which activities take longer without the use of a thumb
- what sort of human activities would not be possible to do without your thumbs

Materials: (per group)

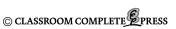
masking tape, scissors, paper clips, zip-lock bag, plastic for pencil, paper, balloons, book, chalk

Instructions:

- 1. Tape your thumbs to the sides of your ham
- 2. Then, try to complete the tasks that are listed below. Be careful not to use your thumbs! After completing each item, write out the answers to the following questions:
 - A. Is the task more difficult with or without a thumb?
 - B. How did you have to change your usual technique in order to complete this task?
 - C. Do you think organisms without thumbs would carry out this task on a regular basis? Why or why not?

Tasks:

- Pick up a pen or pencil from the table. Use it to write your name on paper.
- Open a book. Turn a few pages, one page at a time.
- Pick up a piece of chalk. Write your name on the board.
- Tear off a small piec
- Sharpen a penci
- Cut a circle out of a piece of paper using scissors.
- Pick up one paper clip. Clip a pile of papers together.
- Tie your shoelaces.
- Blow up a balloon and tie it.
- Close a zip-lock bag.





Classification & Adaptation CCP4501-6





NAME:

Comprehension Quiz



Part A

Circle) the word True if the statement is true. Circle) the word False if it is false.

1. To classify something means to divide things into groups based on similarities.



- 2. Biologists are scientists who study evolution and fossils.
- 3. The difference between warm-blooded and cold-blooded animals is their ability to control their own body temperature.
- 4. There are more invertebrates living on Earth than
 - False
- 5. Invertebrates are organized the same way as vertebrates. They also have a backbone.
- 6. Animals adapt their physical features over long periods of time so that they survive in their habitat.
 - True False
- os on each hand which gives it excellent grip for 7. The koala has two opposable thu swinging in trees.
 - **False**
- 8. Scientists study evolution by ading newspaper reports from hundreds of years ago. These reports show how life on Earth has changed over time.

True

True

Part B



/14

Label each picture below as either a vertebrate or an invertebrate.







c)



© CLASSROOM COMPLETE PRESS



Classification & Adaptation CCP4501-6

SUBTOTAL:

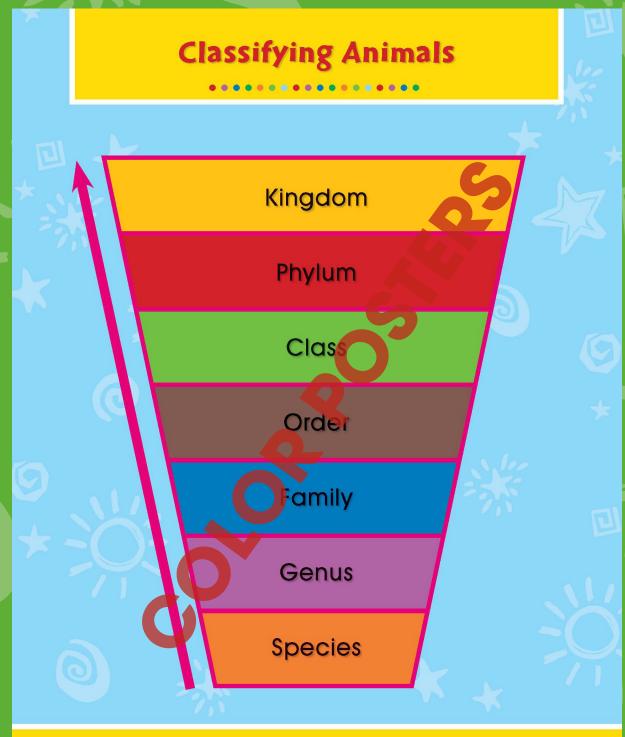
After You Read NAME: **Crossword Puzzle!** Across 1 when things are divided into groups based on similarities a person who studies living things describes an animal that is able to stay at the same body temperature a single organism 10 the surroundings where an animal 12 a scientist that studies fossils **Down** 1 an animal that cannot control their own body temperature describes something where the left side is the mirror image of the right side a living thing such as a plant or animal a physical feature that h been changed for surviv purposes the group of invertebrates including snails and slugs the change of populations of living organisms over time 11 an animal that has a backbone Word List: biologist, classification, coldblooded,

environment, evolution, fossil, mollusk, organism,

symmetrical, vertebrate, warmblooded

paleontologist, physical adaptation, solar, species,

Classification & Adaptation CCP4501-6



13 energy that comes from the sun

that are preserved

© CLASSROOM COMPLETE PRESS

14 the remains of an animal or plant

NAME:	







Answer the questions in complete sentences.

- 3. What is a habitat? Give two examples to support your answer.
- 4. How do animals depend on their physical features for survival?
- **5.** Give an example of a **physical adaptation**. How would it help an animal survive in its habitat?

Extension and Application

6. Get Your Coupons Here... Physical Adaptations for a Low Price!

We have learned that animals do not develop their **physical adaptations** in a short period of time. Rather, their physical adaptations develop over many generations. For this activity however, we will pretend that animals will be able to buy their own physical adaptation. Yes, you will definitely need to use your imagination for this activity!

Gather information about 1 animal and its possible physical adaptations. You will use this information to design a coupon that you would see in a magazine or a newspaper. What is a coupon? It is a voucher that gives somebody a discount on something. Your coupon will not sell food or clothing. Instead, it will sell physical adaptations to animals. Include the following information on your coupon:

- A picture of the animal
- A slogan (the slogan should "sell" the adaptation, convincing the animal who is going shopping that it should buy this physical adaptation! It should answer the question: How does this adaptation help with survival?)
- A price (how much is this physical adaptation going to cost the animal?)
- Information about the animal and what purpose this physical adaptation serves

Stretch your imagination and be as creative as possible!





Classification & Adaptation CCP4501-6



The environment where a plant or animal lives. Answers will vary.



They develop adaptations over time



Answers will vary

3. 107° F (temperature of most birds when active)

temperature as its

2. 100° F (temperature

of most mammals

surroundings)

when active)

1. 37° F (same

- 4. No can only swim to the surface where there is more sunlight on a sunny day
- Fairly well it has fur and layers of fat to insulate it
- **6.** Not well it has scales rather than fur and very little body fat
- 7. Body temperature drops as the temperature of its surroundings (water or air) drops







