



## TEACHER GUIDE

- Assessment Rubric ..... 4
- How Is Our Resource Organized? ..... 5
- Bloom’s Taxonomy for Reading Comprehension ..... 6
- Vocabulary ..... 6



## STUDENT HANDOUTS

- Reading Comprehension

1. <i>What Do We Classify?</i> .....	
2. <i>Formal Classification</i> .....	
3. <i>Warm-Blooded Animals vs. Cold-Blooded Animals</i> .....	7
4. <i>Vertebrates</i> .....	
5. <i>Invertebrates</i> .....	
6. <i>Animal Adaptations</i> .....	
7. <i>A Case Study: The Koala and Its Adaptations</i> .....	
8. <i>Evolution and the Fossil Record</i> .....	

- Hands-on Activities ..... 11
- Crossword ..... 15
- Word Search ..... 16
- Comprehension Quiz ..... 17



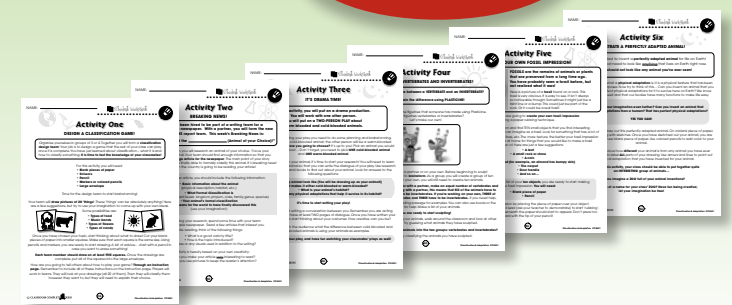
- EASY MARKING™ ANSWER KEY** ..... 19

- MINI POSTERS** ..... 21

✓ **6 BONUS Activity Pages!** Additional worksheets for your students

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

**FREE!**









# The Lake Habitat Thermometer

For this activity, you will need:

- A thermometer
- The picture of the "Lake Habitat"
- Information resources (like the internet or an encyclopedia)

Look at the picture of the "Lake Habitat". Then read the following description of it:

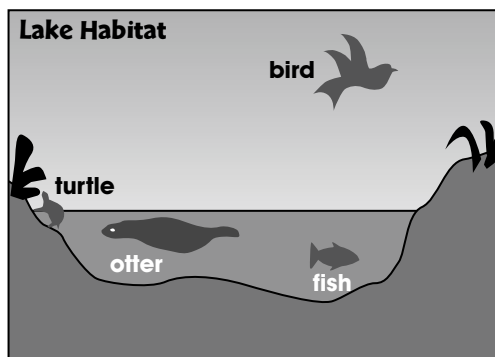
**The current temperature of the air is 47 degrees F.**  
**The highest temperature of the water is 37 degrees F.**  
**The temperature of the soil is 49 degrees F.**  
**The date is January 9. The time is late afternoon.**  
**The sky is very cloudy.**

While you are reading the above description, look at your **thermometer**. Can you find the above temperatures on your thermometer? Work with a partner if you are having trouble.

In your notebook, copy down the following questions. Answer them using what you have learned about warm-blooded and cold-blooded animals, and your information resources.

### Questions:

1. Approximately what is the body temperature of the fish?
2. Approximately what is the body temperature of the otter?
3. Approximately what is the body temperature of the bird?
4. Is there anything the fish can do to increase its body temperature to much more than about 37 degrees F?
5. How well is the otter insulated in the cold winter?
6. How well is the fish insulated?
7. If an animal is poorly insulated, what is the disadvantage in cold weather?



# Crossword Puzzle!

### Across

- 1 when things are divided into groups based on similarities
- 5 a person who studies living things
- 7 describes an animal that is able to stay at the same body temperature
- 9 a single organism
- 10 the surroundings where an animal lives
- 12 a scientist that studies fossils

### Down

- 1 an animal that cannot control their own body temperature
- 2 describes something where the left side is the mirror image of the right side
- 3 a living thing such as a plant or animal
- 4 a physical feature that has been changed for survival purposes
- 6 the group of invertebrates including snails and slugs
- 8 the change of populations of living organisms over time
- 11 an animal that has a backbone
- 13 energy that comes from the sun
- 14 the remains of an animal or plant that are preserved



**Word List:** biologist, classification, coldblooded, environment, evolution, fossil, mollusk, organism, paleontologist, physical adaptation, solar, species, symmetrical, vertebrate, warmblooded

# Comprehension Quiz

### Part C

Answer the questions in complete sentences.

1. What is the difference between a **warm-blooded animal** and a **cold-blooded animal**? 2
2. What does it mean to **classify** something? Give an example to support your answer. 2
3. Why are **vertebrates** called "the most advanced organism on Earth"? 2
4. What is a **physical adaptation**? Use information you have learned about the **koala** to support your answer. 2
5. What is **evolution**? How do scientists gather information about **evolution**? 2

SUBTOTAL: /10

# Invertebrates



Spider



Scorpion



Tick



Bee



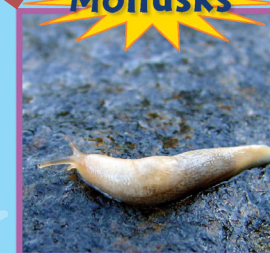
Butterfly



Fly



Octopus



Slug



Snail

NAME: \_\_\_\_\_

After You Read 



## Warm-Blooded vs. Cold-Blooded Animals

**3. Classify the following animals into two groups: WARM-BLOODED ANIMALS and COLD-BLOODED ANIMALS. You might need to use research tools to find out more about each animal. Once you have divided them, explain what the difference is between the two groups.**

frog      human      snail      eagle      dog      spider

**a) Cold-Blooded Animals**

**Warm-Blooded Animals**

_____	_____
_____	_____
_____	_____

**b) The difference between cold-blooded and warm-blooded animals is**

\_\_\_\_\_

### Extension and Application

**4. Design a Poster!** We read about how the cold-blooded frog controls its body temperature. It might lie on a sunny rock to warm up its body. Or, it might bury under a rock to cool off its body. Use your imagination to think of what the following cold-blooded animals might do to control their body temperature. **Pick one** of the animals from the list below. Draw a picture showing these two things:

- how the animal warms up its body temperature
- how the animal cools off its body temperature

snake      lizard      crocodile      eel      salamander

Don't forget to label your picture. Use your imagination!

**5. A conversation between a cold-blooded animal and a warm-blooded animal!** Pretend you hear a conversation between a **cold-blooded animal** and a **warm-blooded animal**. Using a dialogue structure (Animal #1 says..., Animal #2 says....) write down the conversation you hear. Your conversation should include the following information:

- the names of the animals (pick two)
- what makes them either cold-blooded or warm-blooded
- how they control their body temperature
- the difference between the two animals

**3.**

**a)** cold-blooded:  
frog, snail, spider  
warm-blooded:  
human, eagle, dog

**b)** Accept any reasonable answer

**4.**

Answers will vary

**5.**

Answers will vary

- 37° F (same temperature as its surroundings)
- 100° F (temperature of most mammals when active)
- 107° F (temperature of most birds when active)
- 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
- Not well - it has scales rather than fur and very little body fat
- Body temperature drops as the temperature of its surroundings (water or air) drops



# EASY MARKING ANSWER KEY

10

13