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MINI POSTERS 21

d)

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After You Read

temperature no matter where they live.

c) The surroundings where an animal lives is called its ____

NAME: ____

__ animals are able to stay at the same body

Classification & Adaptation CCP4501-3

Warm-Blooded vs. Cold-Blooded Animals

1. Circl	e the answer that be	est completes each sente	nce.
a)	Cold-blooded animals	s cannot control their own _	
	energy	body temperature	
b)	A cold-blooded animatheir	al's body temperature depe 	nds on the temperature of
	environment	blood	
c)	Cold-blooded animals temperature.	s use	to control their body
	oxygen	solar energy	
d)	Humans and birds are	examples of	-blooded animals.
	cold	warm	
e)	Warm-blooded anima produce and lose.	als are able to control how m	uchthey

2. Circle the word True if the statement's true. Circle the word False if it's false.

le of a warm-blooded animal. a) A fish is a good ex

True

b) The different ded and warm-blooded animals is the veen co temperature

alse

c) A frog dy temperature down by burying itself under a rock.

Varm-blooded animals are able to control how much heat their bodies oduće.

True

False

e) No matter what temperature the water is, a fish's body temperature always stays the same.

True

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heat

False

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Warm-Blooded vs. Cold-Blooded Animals

hat is the difference between coldblooded animals and warm-blooded animals? The most obvious guess is that cold-blooded animals have cold blood and warm-blooded animals have warm blood. The answer is actually a little bit different.

Cold-blooded animals cannot control their own body temperature. Instead, their body temperature changes, depending on the temperature of their environment. Warm**blooded** animals are able to stay at the same body temperature no matter where they live animals in more detail.



s look at each of these kinds of



Do you think you are a cold-blooded or a warm-blooded animal? Explain your answer

Reptiles, amphibians, and fish are all examples of cold-blooded animals. They use solar energy (energy from the sun) to control their body temperature. So if the weather is hot, the animal is hot. If the weather is cold, the animal is cold. Have you ever seen a frog sun itself on a rock? It is not trying to get a suntan! The frog suns itself to absorb heat from the sun. What does a frog do when it is too warm out? It finds cool shelter to cool down its body temperature. Smart animal!

Humans, mammals, and birds are all examples of warm-blooded animals. Their body temperature stays the same no matter what. Even if the temperature of their environment changes, their body temperature stays the same. They are able to control how much heat their bodies produce. They are also able to control how much heat their bodies lose. They are also smart animals!

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Warm-Blooded vs. Cold-Blooded Animals

between the	two groups.			i, expirim vi	at the difference
frog	human	snail	eagle	dog	spider

Extension and Applicati

- 4. Design a Poster! We read about how the ld-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 colddo to control their body temperature. Pick one of the animals blooded animals migh from the list below. Draw a picture showing these two things:
 - how the animal warms up its body temperature
 - how the ar body temperature

crocodile eel salamander

. Use your imagination! Don't forget to I

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







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 partmer 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.

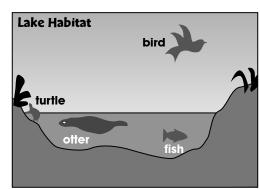
Questions:

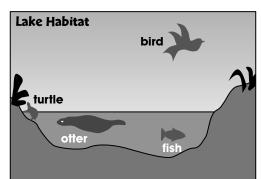
- 1. Approximately what is the body temperature of the fish
- 2. Approximately what is the body temperature of the other?
- Approximately who s the body temperature of the bird?
- 4. Is there anything the fish can do to increase its body temperature to much more than about 37 degrees F?
- 5. How well is the otter insulated in the
- **ve**ll is the fish insulated?
- n animal is poorly insulated, what is the disadvantage in cold weather?





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Comprehension Quiz

Part C

Answer the questions in complete sentences.

What is the difference between a warm-blooded animal and a cold-blooded animal?



What does it mean to **classify** something? Give an example to support your answer.



Why are **vertebrates** called "the most advanced organism on Earth"?



What is a physical adaptation? U information you have learned about the koala to support your ar



What is **evolution**? How do scientists gather information about **evolution**?



/10 SUBTOTAL:

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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

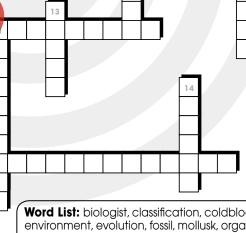
Down

- 1 an animal that cannot control their own body temperature
- 2 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 13 energy that comes from the sun
- 14 the remains of an animal or plant that are preserved

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Octopus

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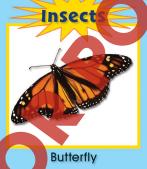
Word List: biologist, classification, coldblooded, environment, evolution, fossil, mollusk, organism, paleontologist, physical adaptation, solar, species, symmetrical, vertebrate, warmblooded

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Invertebrates















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
) Cold-Blooded Animals Warm-Blooded Animals
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 coldblooded animals might do to control their body temperature. **Pick one** of the animals from the list below. Draw a picture showing these t

how the animal warms up its body temperatur ow the animal cools off its b ody tem

snake

lizard

crocodile eel

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





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

b) Accept any

reasonable answer

4.

nswers will vary

2. 100° F (temperature of most mammals when active)

temperature as its surroundings)

1. 37° F (same

- 3. 107° F (temperature of most birds when active)
- 4. No can only swim to the surface where there is more sunlight on a sunny day
- 5. 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





Answers will vary



