



EGYPTIAN AMERICAN INTERNATIONAL SCHOOL  
Member of EEDP  
EGYPTIAN EDUCATION DEVELOPMENT PROJECTS

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Elementary Science Department

SEMESTER 1 GRADE 3

Model answer to Classwork A 3.6



Name: \_\_\_\_\_

Date: \_\_\_\_\_

Class: \_\_\_\_\_

1 Date: \_\_\_\_\_

**Migrating geese often fly in a V formation. How do they know when it is time to migrate?**

**Sample answer: Geese know when it is time to migrate because of instinct.**

2 Date: \_\_\_\_\_

**► How are instincts and learned behaviors alike?**

**Sample answer: Both are behaviors.**

**They both allow animals to survive.**

\_\_\_\_\_

\_\_\_\_\_

3 Date: \_\_\_\_\_

**How does building an anthill help the group of ants?**

**Sample answer: The anthill gives the ants a place to live, store food, and be protected from the environment.**

4 Date:

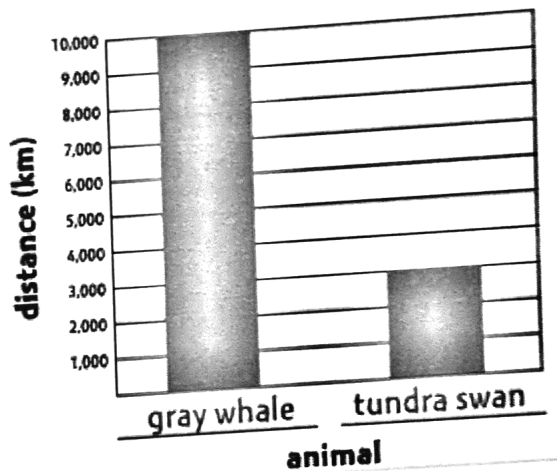
How does each animal's heart rate change during hibernation?

Animal's Heart Rate	Bat	Woodchuck
Non-hibernation	450 beats per minute	160 beats per minute
Hibernation	40 beats per minute	4 beats per minute

The bat's heart rate drops by 410 beats per minute; the woodchuck's heart rate drops by 156 beats per minute.

5 Date:

Many animals migrate. The gray whale may travel over 10,000 kilometers each way as it migrates. The tundra swan may travel over 3,000 kilometers each way as it migrates. Draw a bar graph to compare the distances. Check students' bar graphs for accuracy and completeness.



Name: \_\_\_\_\_

MODEL ANSWER

Date: \_\_\_\_\_

Class: \_\_\_\_\_

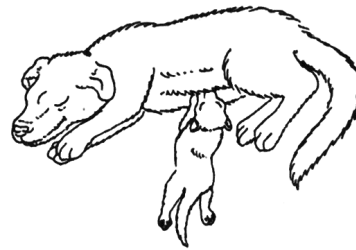
**A) Choose the correct answer then fill in the corresponding bubble:**

- 1) (A) (B) (C) (D)
- 2) (A) (B) (C) (D)
- 3) (A) (B) (C) (D)
- 4) (A) (B) (C) (D)
- 5) (A) (B) (C) (D)

- 1 Which is the name for what animals do when they go into a deep, sleeplike state in winter?
- (A) Freeze
- (B) Hibernate
- (C) Migrate
- (D) Travel
- 2 Some animals migrate every year. Which of these is the main reason animals migrate?
- (A) to find shelter
- (B) to mate and find food
- (C) to get away from danger
- (D) to find another place to live

- 3 Which of these is an example of **migration**?
- (A) Ground squirrels going into underground burrows
  - (B) Tree squirrels gathering and storing nuts every fall
  - (C) Gray whales having their young in warm ocean waters
  - (D) Tundra swans flying south in winter and north in summer
- 4 Which of these is an example of a behavior that is an **instinct**?
- (A) a spider building a web
  - (B) a chimpanzee using a tool
  - (C) a young bird making its first flight
  - (D) a polar bear waiting by a seal hole
- 5 Which kind of behavior does this picture show?

- (A) growing
- (B) migrating
- (C) an instinct
- (D) a learned behavior



**II) Answer the following question:**

1. Why do you think animals hibernate in the winter and not in summer?

Because there is less food available and it's cold.

2. How do birds know when to migrate?

When the weather turns cold, their instinct tells them to migrate.

III) Match each term in column B with its meaning in column A:

<u>Column A</u>		<u>Column B</u>	
<u>    </u> B	1. Is a behavior that an animal knows <b>without learning</b>	A.	Behavior
<u>    </u> E	2. Animals go through a <b>deep, sleep</b> like state that helps them survive the cold winter conditions.	B.	Instinct
<u>    </u> A	3. Is anything an organism does.	C.	Learned behavior
<u>    </u> D	4. When animals <b>move</b> a long distance as a group <b>from one region to another</b> and back.	D.	Migrate
<u>    </u> C	5. Behaviors that come from <b>watching</b> other animals or through <b>experience</b> .	E.	Hibernate

**Review Question:**

Which of these is the name for any trait that helps a living thing survive?

- A. action
- B. adaptation
- C. conservation
- D. germination

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Class: \_\_\_\_\_

1 Date: \_\_\_\_\_

## Word Play

1 Use the words in the box to complete the puzzle.

adaptations

behavior\*

instinct\*

learn

migrate\*

parent

shelter

hibernate\*

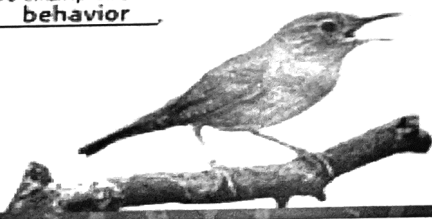
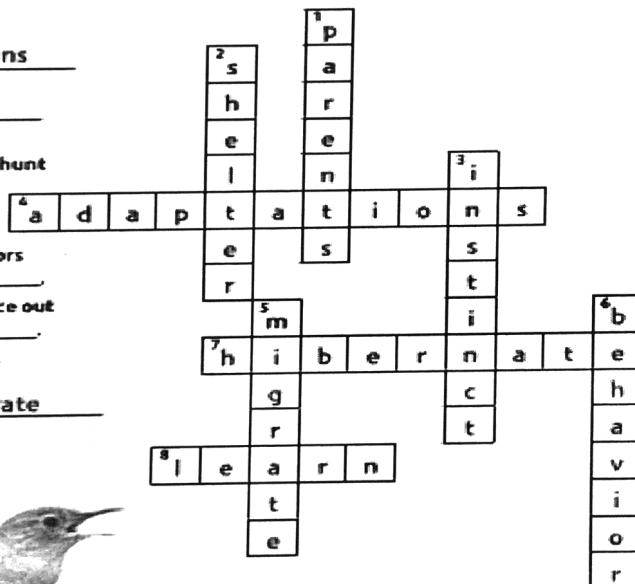
\* Key Lesson Vocabulary

### Across

- Behaviors are adaptations that help organisms survive.
- Animals that hibernate enjoy a long winter's rest.
- Animals learn to hunt by watching other animals.

### Down

- A young animal learns behaviors by watching its parents.
- Animals that need a warm place out of the rain seek shelter.
- Looking for food and shelter is an instinct.
- Each year, gray whales migrate thousands of miles.
- Migration and hibernation are two examples of animal behavior.



2

Date: \_\_\_\_\_

## Apply Concepts

2

How are instincts and learned behaviors the same? What is the difference between them?

Sample answer: Both are types of behaviors that help an animal survive. An instinct is something an animal is born with. A learned behavior is something an animal has to learn.

3

Date: \_\_\_\_\_

3

Look at the photos. Write how the behavior helps the animal survive.



Sample answer:

This adaptation helps the animal get food.



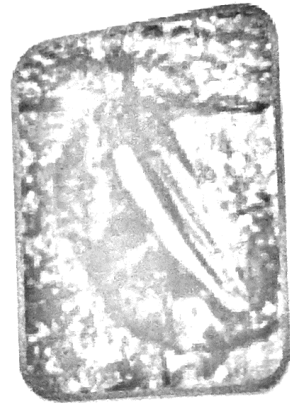
Sample answer:

This adaptation helps the animal find shelter.



Sample answer:

This adaptation helps the animal give birth.



Sample answer:

This adaptation helps the animal survive winter.