

# Introduction

## To the Teacher

Macmillan/McGraw-Hill *Standards Test Preparation* for TCAP is designed to familiarize students with standardized testing and to review the concepts covered in the Tennessee Science Standards.

## About This Book

The test items in this book will accustom students in a grade-appropriate manner with standardized testing in preparation for the Tennessee Comprehensive Assessment Program (TCAP). Each test item is correlated to a specific State Performance Indicator (SPI), or Grade Level Expectation (GLE) in the case of Grades 1 and 2.

- **Correlation Chart:** The first correlation chart illustrates how the SPIs or GLEs covered in this book align with lessons in Macmillan/McGraw-Hill *Tennessee Science A Closer Look*. The second chart illustrates how the SPIs or GLEs align with Macmillan/McGraw-Hill *Key Concept Cards* and other materials that can be used for intervention if test results indicate that students are having difficulty with particular SPIs or GLEs.
- **Diagnostic Tests:** Two Diagnostic Tests, which can be used as pretests or posttests, are provided. The Diagnostic Tests are designed to simulate the statewide TCAP tests that students will be taking. Each Diagnostic Test consists of multiple-choice questions that cover SPIs or GLEs spanning all 12 Conceptual Strands in Life Science, Earth and Space Science, and Physical Science. Inquiry and Technology & Engineering SPIs or GLEs are embedded within each test.
- **Standards Tests:** These practice tests give students the opportunity to answer questions that focus on each of the Conceptual Strands of the Tennessee Science Standards. One test is provided for each of the 12 Life Science, Earth and Space Science, and Physical Science Conceptual Strands. Inquiry and Technology & Engineering SPIs or GLEs are embedded within each test. These tests can also be used as pretests and posttests, or as homework assignments or extra practice.

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# Correlation Chart

## Lesson Correlations for Tennessee Grade Level Expectations

Grade Level Expectation	Chapter, Lesson
<b>GLE 0107.Inq.1</b> Observe the world of familiar objects using the senses and tools.	Chapter 1, Lesson 4; Chapter 3, Lesson 1; Chapter 3, Lesson 3; Chapter 4, Lesson 1; Chapter 4, Lesson 2; Chapter 4, Lesson 3; Chapter 5, Lesson 1; Chapter 5, Lesson 2
<b>GLE 0107.Inq.2</b> Ask questions, make logical predictions, plan investigations, and represent data.	Chapter 2, Lesson 1; Chapter 3, Lesson 2; Chapter 4, Lesson 4; Chapter 5, Lesson 4; Chapter 6, Lesson 2
<b>GLE 0107.Inq.3</b> Explain the data from an investigation.	Chapter 2, Lesson 2; Chapter 3, Lesson 4; Chapter 5, Lesson 3; Chapter 6, Lesson 1
<b>GLE 0107.T/E.1</b> Recognize that both natural materials and human-made tools have specific characteristics that determine their use.	Technology: A Closer Look, Lesson 1; Technology: A Closer Look, Lesson 2
<b>GLE 0107.T/E.2</b> Apply engineering design and creative thinking to solve practical problems.	Technology: A Closer Look, Lesson 3
<b>GLE 0107.1.1</b> Recognize that living things have parts that work together.	Chapter 1, Lesson 1; Chapter 1, Lesson 2; Chapter 1, Lesson 3
<b>GLE 0107.1.2</b> Use tools to examine different body parts and plant structures.	Chapter 1, Lesson 1; Chapter 1, Lesson 2; Chapter 1, Lesson 3
<b>GLE 0107.2.1</b> Distinguish between living and non-living things in an environment.	Chapter 1, Lesson 4
<b>GLE 0107.3.1</b> Recognize that plants and animals are living things that grow and change over time.	Chapter 1, Lesson 4; Chapter 2, Lesson 1; Chapter 2, Lesson 2
<b>GLE 0107.4.1</b> Observe and illustrate the life cycle of animals.	Chapter 2, Lesson 2
<b>GLE 0107.4.2</b> Describe ways in which animals closely resemble their parents.	Chapter 2, Lesson 2
<b>GLE 0107.5.1</b> Investigate how plants and animals can be grouped according to their habitats.	Chapter 3, Lesson 1; Chapter 3, Lesson 2; Chapter 3, Lesson 3
<b>GLE 0107.5.2</b> Recognize that some organisms which formerly lived are no longer found on earth.	Chapter 3, Lesson 4
<b>GLE 0107.6.1</b> Compare and describe features of the day and night sky.	Chapter 4, Lesson 1
<b>GLE 0107.6.2</b> Realize that the sun can only be seen during the day, while the moon can be seen at night and sometimes during the day.	Chapter 4, Lesson 1

# Correlation Chart

Grade Level Expectation	Chapter, Lesson
<b>GLE 0107.7.1</b> Realize that water, rocks, soil, living organisms, and man-made objects make up the earth's surface.	Chapter 4, Lesson 2; Chapter 4, Lesson 3
<b>GLE 0107.7.2</b> Classify earth materials according to their physical properties.	Chapter 4, Lesson 3
<b>GLE 0107.8.1</b> Gather and interpret daily weather data.	Chapter 4, Lesson 4
<b>GLE 0107.9.1</b> Classify objects according to their physical properties.	Chapter 5, Lesson 1; Chapter 5, Lesson 2
<b>GLE 0107.9.2</b> Distinguish between the properties of solids and liquids.	Chapter 5, Lesson 2
<b>GLE 0107.9.3</b> Predict the changes that may occur when different materials are mixed.	Chapter 5, Lesson 3
<b>GLE 0107.10.1</b> Investigate the effect of the sun on land, water, and air.	Chapter 5, Lesson 4
<b>GLE 0107.11.1</b> Investigate how forces (push, pull) can move an object or change its direction.	Chapter 6, Lesson 1
<b>GLE 0107.12.1</b> Investigate materials that are attracted to magnets.	Chapter 6, Lesson 2

# Key Concept Cards

## Interventions for the Tennessee Grade Level Expectations

Grade Level Expectation	Chapter, Lesson
<b>GLE 0107.Inq.1</b> Observe the world of familiar objects using the senses and tools.	Key Concept Card 20
<b>GLE 0107.Inq.2</b> Ask questions, make logical predictions, plan investigations, and represent data.	Key Concept Card 22
<b>GLE 0107.Inq.3</b> Explain the data from an investigation.	Key Concept Card 36
<b>GLE 0107.T/E.1</b> Recognize that both natural materials and human-made tools have specific characteristics that determine their use.	Reading and Writing pp. 122—124, 127—129
<b>GLE 0107.T/E.2</b> Apply engineering design and creative thinking to solve practical problems.	Reading and Writing pp. 132—134
<b>GLE 0107.1.1</b> Recognize that living things have parts that work together.	Key Concept Cards 4, 5, 7, 8, 9
<b>GLE 0107.1.2</b> Use tools to examine different body parts and plant structures.	Key Concept Card 2
<b>GLE 0107.2.1</b> Distinguish between living and non-living things in an environment.	Key Concept Cards 1, 11, 12, 17
<b>GLE 0107.3.1</b> Recognize that plants and animals are living things that grow and change over time.	Key Concept Cards 3, 4, 5, 10
<b>GLE 0107.4.1</b> Observe and illustrate the life cycle of animals.	Reading and Writing pp. 27—30
<b>GLE 0107.4.2</b> Describe ways in which animals closely resemble their parents.	Key Concept Cards 8, 10
<b>GLE 0107.5.1</b> Investigate how plants and animals can be grouped according to their habitats.	Key Concept Cards 11, 12
<b>GLE 0107.5.2</b> Recognize that some organisms which formerly lived are no longer found on earth.	Reading and Writing pp. 52—55
<b>GLE 0107.6.1</b> Compare and describe features of the day and night sky.	Reading and Writing pp. 62—65
<b>GLE 0107.6.2</b> Realize that the sun can only be seen during the day, while the moon can be seen at night and sometimes during the day.	Key Concept Cards 22, 26

# Key Concept Cards

Grade Level Expectation	Chapter, Lesson
<b>GLE 0107.7.1</b> Realize that water, rocks, soil, living organisms, and man-made objects make up the earth's surface.	Key Concept Cards 15, 16, 17, 18, 19, 21
<b>GLE 0107.7.2</b> Classify earth materials according to their physical properties.	Key Concept Cards 15, 27, 30, 31
<b>GLE 0107.8.1</b> Gather and interpret daily weather data.	Key Concept Cards 20, 21, 23
<b>GLE 0107.9.1</b> Classify objects according to their physical properties.	Key Concept Cards 27, 32, 33
<b>GLE 0107.9.2</b> Distinguish between the properties of solids and liquids.	Key Concept Card 28
<b>GLE 0107.9.3</b> Predict the changes that may occur when different materials are mixed.	Reading and Writing pp. 94—97
<b>GLE 0107.10.1</b> Investigate the effect of the sun on land, water, and air.	Key Concept Card 24
<b>GLE 0107.11.1</b> Investigate how forces (push, pull) can move an object or change its direction.	Key Concept Card 34
<b>GLE 0107.12.1</b> Investigate materials that are attracted to magnets.	Key Concept Card 36





**Directions:** On your answer sheet, fill in the circle next to the correct answer.

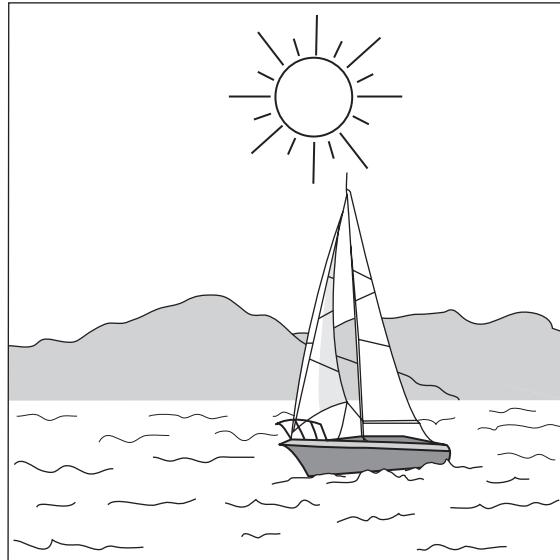
- 1** You use a hand lens to observe a snail. What question could you answer?

GLE 0107.T/E.I, GLE 0107.I.2

- (A) How much does a snail weigh?
- (B) How old is a snail?
- (C) How does a snail grow?
- (D) What are the parts of a snail?

- 2** Look at the weather in this picture. What might this weather be?

GLE 0107.8.I



- (F) sunny and warm
- (G) cloudy and cold
- (H) cloudy and warm
- (J) rainy and cool

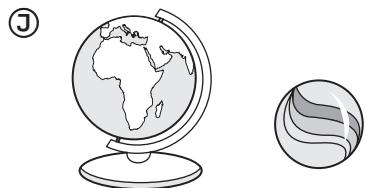
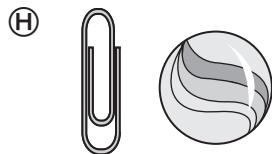
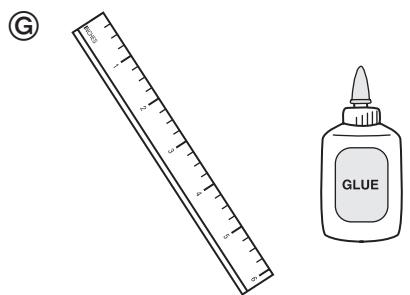
- 3** Mei Lee's aunt is a scientist. She studies the Moon. What should she do to learn more about the Moon?

 GLE 0107.Inq.2, GLE 0107.6.I

- (A) Observe the Moon once a week.
- (B) Observe the Moon once a day.
- (C) Observe the Moon often and compare it to other objects in the sky.
- (D) Observe the Moon once and compare it to other objects in the sky.

- 4** Look at the pictures of some classroom objects. Which objects could you group together by shape?

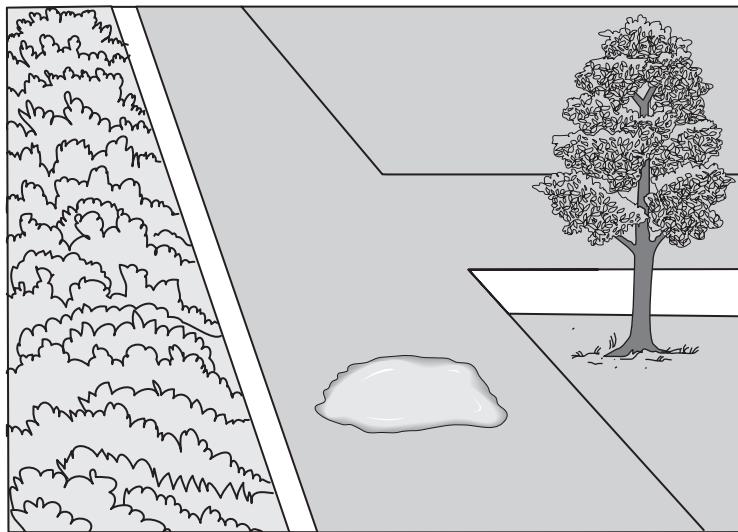
 GLE 0107.9.I



Name \_\_\_\_\_ Date \_\_\_\_\_

**5** What is the water in the puddle?

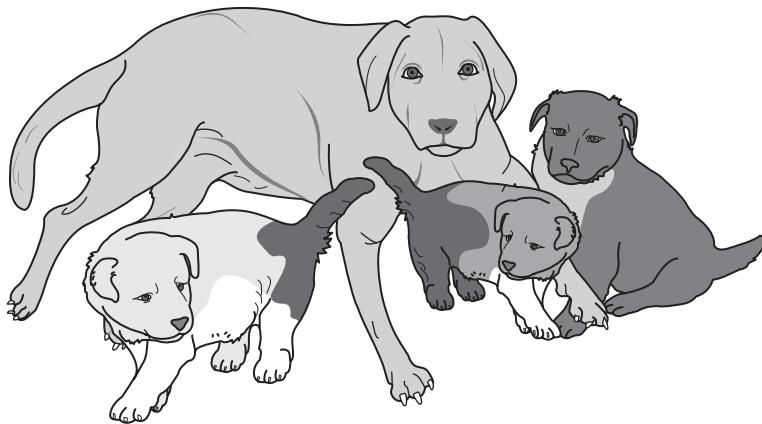
GLE 0107.9.2



- (A) a solid
- (B) a liquid
- (C) a gas
- (D) a rock

**6** What is one way that puppies are the same as their parents?

GLE 0107.4.2

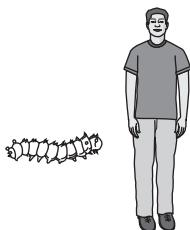


- (F) same size
- (G) same leg length
- (H) same body shape
- (J) same color

**7** Jimmy made a group of nonliving things. Which belongs with this group?

GLE 0107.2.I

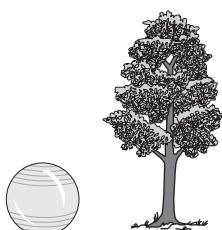
(A)



(B)



(C)



(D)



**8** Lakes, ponds, and puddles are alike because they are

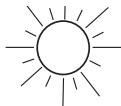
GLE 0107.7.2

- (F) solids
- (G) liquids
- (H) man-made
- (J) salty

Name \_\_\_\_\_ Date \_\_\_\_\_

**9** Deserts have very little water. How can plants live in deserts?

GLE 0107.5.I



- (A) They make water.
- (B) They store water.
- (C) They do not need water.
- (D) They eat animals and other plants.

**10** What happens when sand is added to a cup of water?

GLE 0107.9.3

- (F) The sand melts.
- (G) The sand dissolves.
- (H) The sand sinks to the bottom of the cup.
- (J) The sand floats on top of the water.

**11** Which is something people get from Earth's surface?

GLE 0107.7.I

- (A) cars
- (B) glue
- (C) soil
- (D) plastic

**12** What tool could you use to see the tiny parts of an insect?

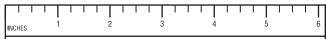
 GLE 0107.T/E.I, GLE 0107.I.2

(F)



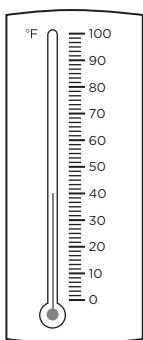
hand lens

(G)



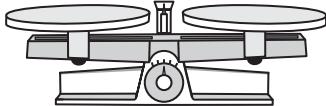
ruler

(H)



thermometer

(J)



balance

**13** Which two things can you see in the sky at night?

 GLE 0107.6.I

- (A) Sun and Moon
- (B) Moon and stars
- (C) Moon and Sun
- (D) Sun and other stars

**14** What are fossils?

 GLE 0107.5.2

- (F) remains of living things from long ago
- (G) pretty pictures
- (H) dinosaurs
- (J) types of plants

**15** How might the sky look?

GLE 0I07.8.I

- (A) sunny and warm
- (B) cloudy and cold
- (C) cloudy or sunny
- (D) gray and hot

**16** What can seeds do?

GLE 0I07.3.I



- (F) They can grow into new plants.
- (G) They can move around.
- (H) They can make plants warm.
- (J) They can change into different kinds of living things.

**17** What is true about soil?

GLE 0I07.7.2

- (A) It is all the same.
- (B) It always looks brown.
- (C) It is always cold.
- (D) It is made up of tiny pieces of rocks.

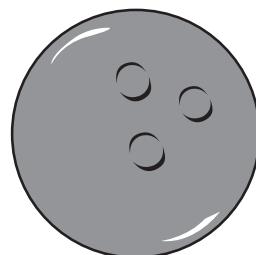
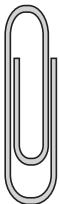
**18** How are frogs born?

GLE 0I07.4.I

- (F) from seeds
- (G) from eggs
- (H) from the land
- (J) from cocoons

- 19** Daniel sorted objects into two groups. The pictures below show his groups. How did Daniel sort the objects?

GLE 0107.9.I

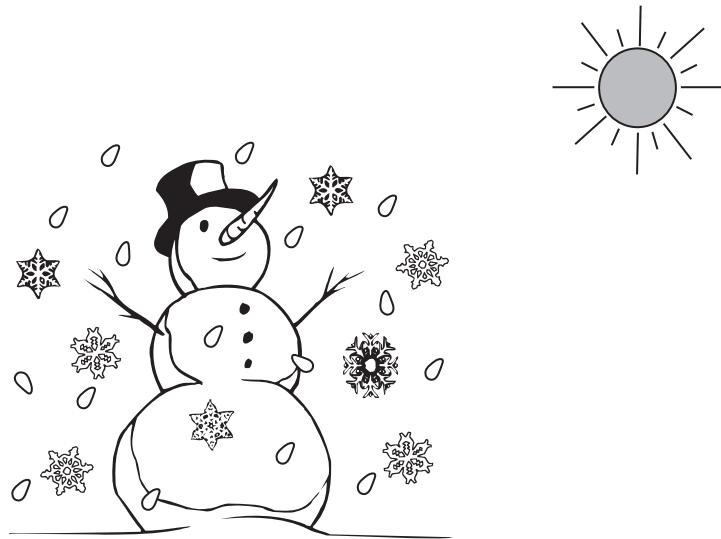


- (A) by shape
- (B) by size
- (C) by things that sink and things that float
- (D) by things that are hard and things that are soft

Name \_\_\_\_\_ Date \_\_\_\_\_

**20** What will happen to this snowman on a warm day?

GLE 0107.Inq.I, GLE 0107.10.I



- (F) It will freeze.
- (G) It will grow and change.
- (H) It will melt.
- (J) It will evaporate.

**21** What happened when Ethan added pepper to a cup of salt?

GLE 0107.9.3



- (A) The salt got darker.
- (B) The salt got sweeter.
- (C) The salt melted.
- (D) The salt and pepper remained the same.

**22** Which object would stick to a magnet?

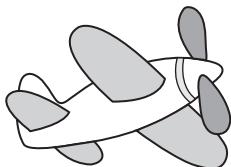
GLE 0107.12.I

**F**



doll

**G**



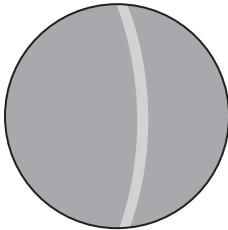
toy airplane

**H**



paper clip

**J**



rubber ball

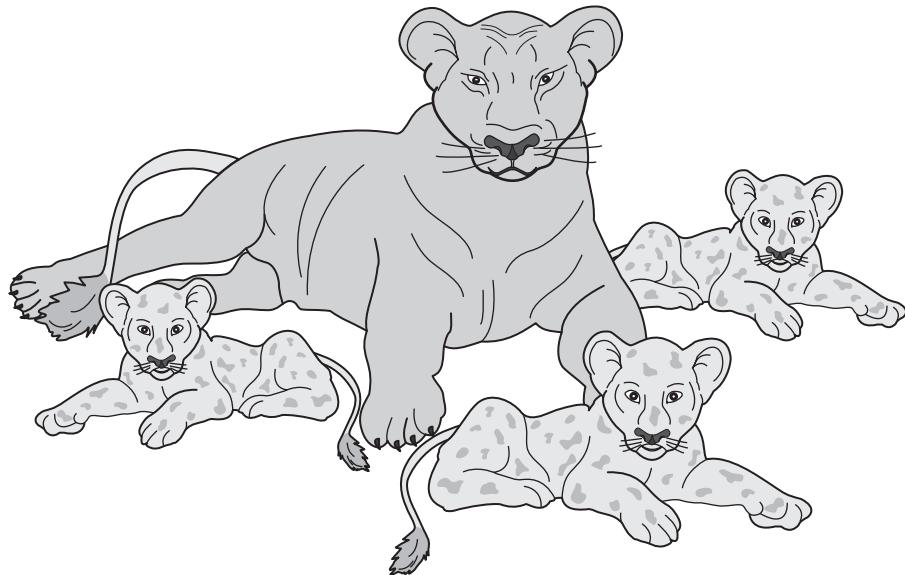
**23** What is the same of all plants and animals?

GLE 0107.1.I

- A** They are made up of many parts.
- B** They make their own food.
- C** They have the same parts.
- D** They do not need water.

**24** How do these cubs look different from their parent?

GLE 0I07.4.2



- (F) color of fur
- (G) number of eyes
- (H) number of ears
- (J) number of tails

**25** Pedro went to the beach on a sunny day. The sand below his feet was hot, but the ocean water was cool. Why?

GLE 0I07.Inq.3, GLE 0I07.10.1

- (A) The Sun heats the sand faster than it heats the water.
- (B) The Sun heats the water faster than it heats the sand.
- (C) The water was in the shade.
- (D) The Sun heats the sand and the water at the same rate.

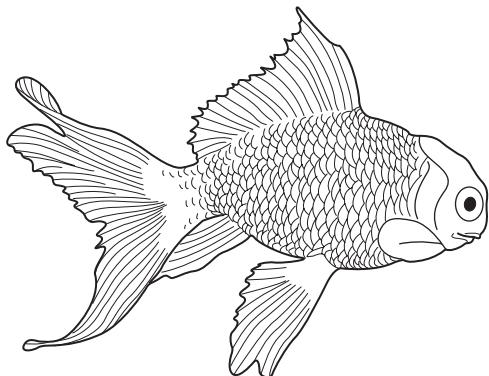
**26** Which of the following can only be seen during the day?

GLE 0I07.6.1

- (F) Sun
- (G) Earth
- (H) clouds
- (J) stars

- 27** Ryan's class learned about fish. The teacher said that fish have gills instead of lungs. They have fins instead of legs. Where do fish live?

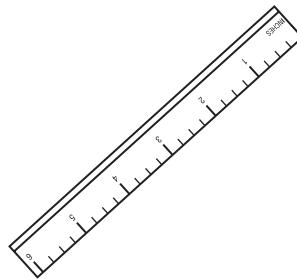
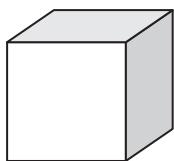
 GLE 0107.Inq.I, GLE 0107.5.I



- (A) under water
- (B) in the desert
- (C) in the mountains
- (D) on land

- 28** Jessie grouped a block, a pencil, a rock, and a ruler. What can you say about the objects in his group?

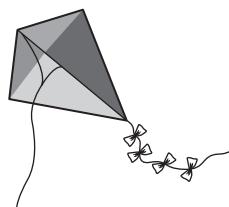
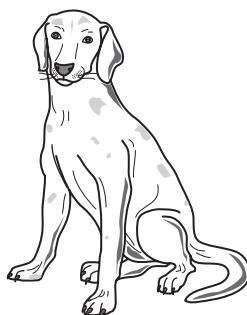
 GLE 0107.9.2



- (F) All the objects can float.
- (G) All the objects are liquid.
- (H) All the objects are soft.
- (J) All the objects are solid.

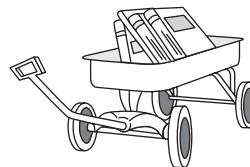
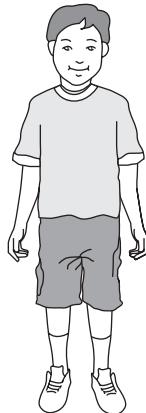
**29** Which is a living thing?

GLE 0107.2.I

**(A)****(B)****(C)****(D)****30**

Henry wanted to bring some books to his friend's home. The books were too heavy to carry. Henry put the books in his wagon. What did he do to move the wagon?

GLE 0107.T/E.2, GLE 0107.II.I

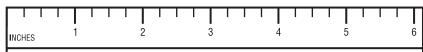


- (F)** He gave the wagon a push or a pull.
- (G)** He blew air on the wagon.
- (H)** He did not touch the wagon.
- (J)** He looked at the wagon.

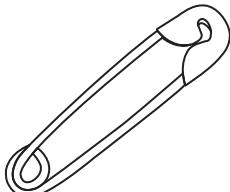
**31** Which object can be picked up by a magnet?

 GLE 0107.12.I

(A)



(B)



(C)



(D)



**32** Look at the picture of the animal. What is true about this animal?

 GLE 0107.5.2



- (F) It is endangered.
- (G) It is extinct.
- (H) It lives in water.
- (J) It is only found in zoos.

Name \_\_\_\_\_ Date \_\_\_\_\_

- 33** Maria has two bean plants. She waters one bean plant. She does not water the other bean plant. She puts both bean plants on a sunny windowsill. What is Maria trying to find out?

 GLE 0I07.Inq.2, GLE 0I07.3.I

- (A) Do plants need water?
- (B) Do plants like each other?
- (C) Do plants need soil and air?
- (D) Do plants need light?

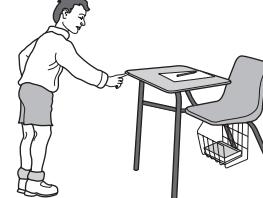
- 34** When will the desk move the most?

 GLE 0I07.II.I

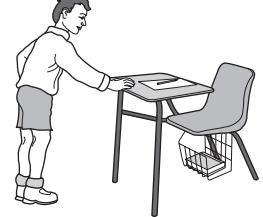
(F)



(G)



(H)

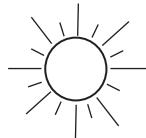


(J)



**35** When can you see the Sun in the sky?

GLE 0107.6.2

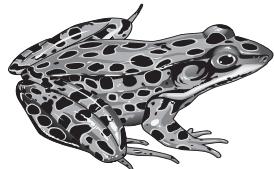


- (A) at night
- (B) during the day
- (C) during the summer
- (D) during the winter

**36** Which animal does a caterpillar turn into?

GLE 0107.4.I

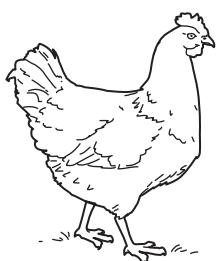
(F)



(G)



(H)



(J)



**37** Which statement is true about all living things?

GLE 0107.1.I

- (A) All living things have hair.
- (B) All living things can live in very cold places.
- (C) All living things have parts that work together.
- (D) All living things can live in very hot places.

**38** Lucy and Caleb walked around the schoolyard. What is something they found there that is a natural part of Earth's surface?

GLE 0107.7.I

(F)



(G)



(H)



(J)

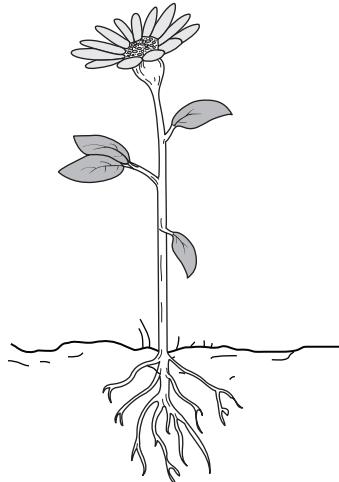




**Directions:** On your answer sheet, fill in the circle next to the correct answer.

**1** What part of the plant takes in light from the Sun?

GLE 0107.9.2



- (A) flower
- (B) leaves
- (C) seed
- (D) roots

Name \_\_\_\_\_ Date \_\_\_\_\_

- 2** What might you learn about this insect by looking at it with a hand lens?

 GLE 0107.Inq.I, 0107.I.I

- (F) This bug eats other bugs.
- (G) This bug can live in a garden.
- (H) This bug has two eyes.
- (J) This bug is small.

- 3** What is correct about a living animal?

 GLE 0107.I.I

- (A) It is found in the desert only.
- (B) It is made of many parts working together.
- (C) It provides protection for other animals.
- (D) It is found in the Arctic only.

- 4** What is the same among all animals?

 GLE 0107.I.I

- (F) All animals have hair.
- (G) All animals have teeth.
- (H) All animals are made up of parts.
- (J) All animals have hard shells.

**5** What is true about living things?

GLE 0I07.I.I

- (A) All living things have hair.
- (B) All living things can live in very cold places.
- (C) All living things have parts.
- (D) All living things can live in very hot places.

**6** What tool could you use to see the tiny parts of an insect?

GLE 0I07.T/E.I., 0I07.I.2

- (F) hands lens



- (G) ruler



- (H) balance



- (J) thermometer



**7** Lucy pulled a plant from a pot. She used a hand lens to see the part of the plant. Lucy looked at the part that grows down into the soil. What plant part did she see?

GLE 0I07.I.2

- (A) leaves
- (B) roots
- (C) seeds
- (D) flowers

**8** You observe a snail with a hand lens. What question could you answer?

 GLE 0107.T/E.I, 0107.I.2

- (F) How much does a snail weigh?
- (G) How old is a snail?
- (H) How does a snail grow?
- (J) What are the parts of a snail?

**9** What tool could you use to see the parts of a seed?

 GLE 0107.T/E.I, 0107.I.2



**10** What might you learn about an insect by looking at it with a hand lens?

 GLE 0107.Inq.I, 0107.I.2

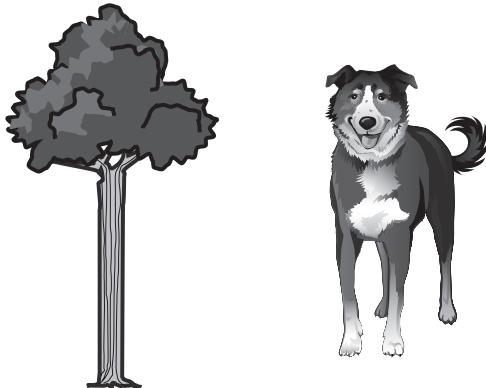
- (F) The insect eats other bugs.
- (G) The insect lives in a garden.
- (H) The insect has little hairs on its body.
- (J) The insect is small.



**Directions:** On your answer sheet, fill in the circle next to the correct answer.

**1** How are the tree and the dog alike?

GLE 0107.2.I



- (A) They both move around.
- (B) They both make their own food.
- (C) They both are nonliving things.
- (D) They both are living things.

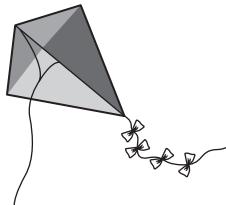
**2** Which is a living thing?

GLE 0107.2.I

(F)



(G)



(H)



(J)



Name \_\_\_\_\_ Date \_\_\_\_\_

- 3** Ruby collects pictures of living things. She has pictures of a dog, a snake, a fish, and a bird. Ruby wants to add more pictures to her collection. What could she add?

 GLE 0I07.Inq.3, 0I07.2.I

- (A) a rabbit and a panda bear
- (B) a car and a computer
- (C) a cell phone and a radio
- (D) a rock and some soil

- 4** Which is true about all living things?

 GLE 0I07.2.I

- (F) All living things make their own food.
- (G) All living things need water.
- (H) All living things can move around.
- (J) All living things live on land.

- 5.** How are you different from a car?

 GLE 0I07.Inq.1, 0I07.2.I

- (A) You are a living thing, but a car is nonliving.
- (B) A car will grow and change, but you will not.
- (C) A car will break down one day, but you will live forever.
- (D) You need energy from food to move, but a car does not need energy to move.



**Directions:** On your answer sheet, fill in the circle next to the correct answer.

**1** What is the same about plants and animals?

GLE 0107.3.I

- (A) All plants and animals grow and change.
- (B) All plants and animals make their own food.
- (C) All plants and animals have the same parts.
- (D) All plants and animals can live without water.

**2** What do all animals need to live?

GLE 0107.3.I

- (F) food and water
- (G) land and water
- (H) rocks and sand
- (J) grass and roots

**3** What do plants get from the soil?

GLE 0107.3.I

- (A) rest
- (B) sunlight
- (C) nutrients
- (D) leaves

**4** Marcel has two bean plants. He puts one plant on a sunny window ledge. He puts the other plant in a dark closet. What is he trying to find out?

GLE 0107.Inq.2, 0107.3.I

- (F) Do plants need soil?
- (G) Do plants need light?
- (H) Do plants need windows?
- (J) Do plants need water?

Name \_\_\_\_\_ Date \_\_\_\_\_

**5** What do all plants need in order to grow? GLE 0107.3.I

- (A) soil and rocks
- (B) sand, worms, and soil
- (C) water and music
- (D) water, space, and sunlight



**Directions:** On your answer sheet, fill in the circle next to the correct answer.

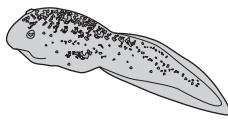
**1** How are frogs born?

GLE 0107.4.I

- (A) from mammals
- (B) from seeds
- (C) from eggs
- (D) from soil

**2** How are pandas different from tadpoles?

GLE 0107.4.I



- (F) Pandas feed each other.
- (G) Pandas can fly.
- (H) Pandas grow inside their mothers' bodies.
- (J) Pandas are hatched from eggs.

**3** Which stage comes before the birth of a tadpole?

GLE 0107.4.I

- (A) egg
- (B) larva
- (C) pupa
- (D) adult

Name \_\_\_\_\_ Date \_\_\_\_\_

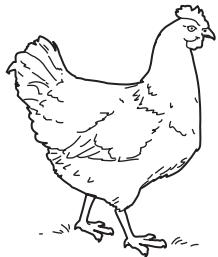
**4** What is a life cycle? GLE 0107.4.I

- (F) It tells how a living thing has fun.
- (G) It tells what a living thing looks like as a baby.
- (H) It tells the different stages of a living thing's life.
- (J) It tells how animals become extinct.

**5** Which statement is true? GLE 0107.4.I

- (A) Life cycles are different for different living things.
- (B) Life cycles are like bicycles.
- (C) All animals have the same life cycles.
- (D) Plants do not have life cycles.

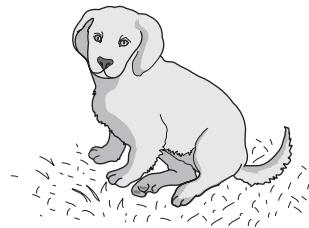
**6** Look at the picture of a chicken.



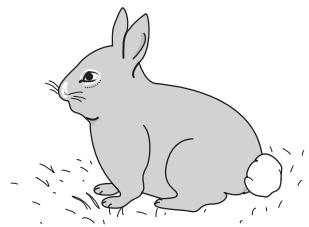
GLE 0107.4.2

Which could be the chicken's young?

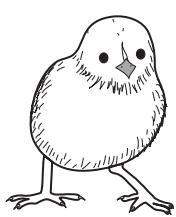
(F)



(G)



(H)



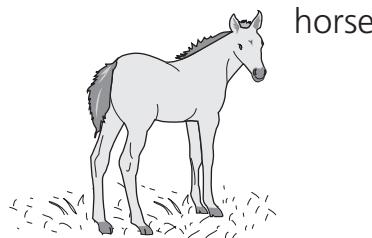
(J)



7 Which baby animal doesn't look like its parent?

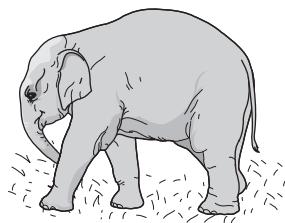
GLE 0107.4.2

(A)



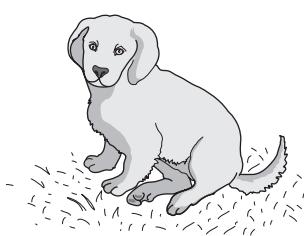
horse

(B)



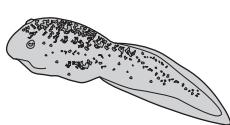
elephant

(C)



dog

(D)



tadpole

8 Some plants make seeds. The seeds can grow into adult plants. What will the plants look like?

- (F) They will look like their parent.
- (G) They will grow into short trees.
- (H) They will grow into tall trees.
- (J) They will not be healthy.

**9** What is one way that puppies are the same as their parents?

 GLE 0107.Inq.I, 0107.4.2

- (A) same size
- (B) same leg length
- (C) same body shape
- (D) same color

**10** What is one way that puppies might be different from their parents?

 GLE 0107.Inq.I, 0107.4.2

- (F) number of ears
- (G) number of feet
- (H) body shape
- (J) size

Name \_\_\_\_\_ Date \_\_\_\_\_



**Directions:** On your answer sheet, fill in the circle next to the correct answer.

**1** Deserts have very little water. How can plants live in deserts?

GLE 0I07.5.I

- (A) Desert plants make water.
- (B) Desert plants store water.
- (C) Desert plants do not need water.
- (D) Desert plants eat animals and other plants.

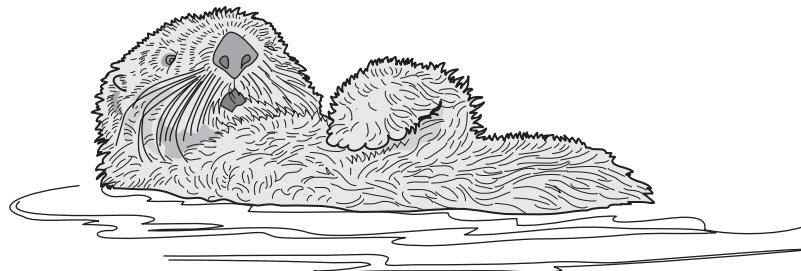
**2** A rain forest is a very wet place. What helps plants survive there?

GLE 0I07.5.I

- (F) thick stems that store water
- (G) roots that grow close to the ground
- (H) stems that move around
- (J) large, pointy leaves

**3** What helps a sea otter live in cold water?

GLE 0I07.5.I



- (A) long claws
- (B) thick fur
- (C) big teeth
- (D) small eyes

**4** Why is the ocean a good place for fish to live?

GLE 0107.5.I

- (F) The fish have other fish near them.
- (G) The fish are far from the Sun.
- (H) The fish can get what they need. [anno]
- (J) The fish get too cold on land.

**5** Which animal lives its whole life in the water?

GLE 0107.5.I

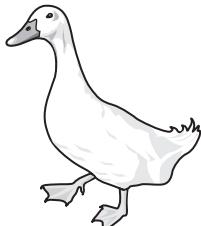
- (A) beaver



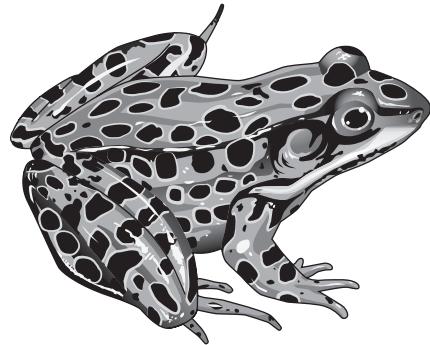
- (B) fish



- (C) duck



- (D) frog



Name \_\_\_\_\_ Date \_\_\_\_\_

**6** What are fossils? GLE 0107.5.2

- (F) remains of plants and animals from long ago
- (G) pretty pictures of plants and animals
- (H) living dinosaurs
- (J) types of plants found in the desert

**7** When is an animal extinct? GLE 0107.5.2

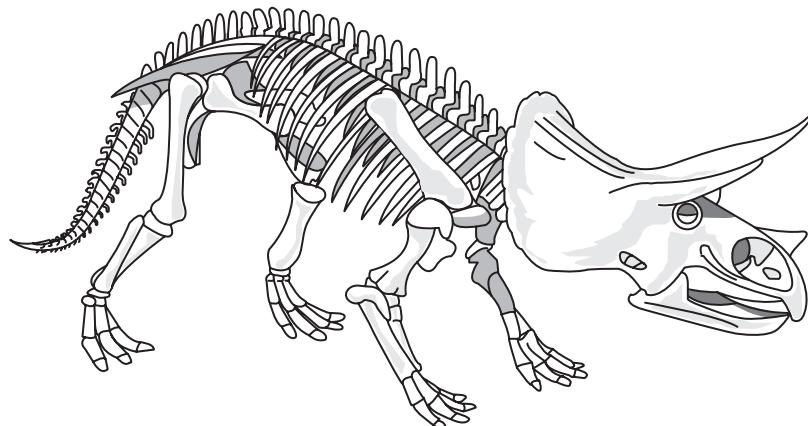
- (A) when it is in its habitat
- (B) when it is hiding
- (C) when there are only a few left in the world
- (D) when it is dead and gone forever

**8** How can people learn about plants and animals that lived long ago? GLE 0107.5.2

- (F) by studying the wind
- (G) by studying the stars
- (H) by talking to people who lived long ago
- (J) by studying fossils

**9** Look at the picture of a dinosaur fossil.

GLE 0107.5.2



What can you learn from this fossil?

GLE 0107.5.2

- (A) This dinosaur had four legs.
- (B) This dinosaur did not have horns.
- (C) This dinosaur did not have a tail.
- (D) This dinosaur was very thin.

**10** What can you predict about the dinosaur shown in question 9?

GLE 0107.5.2

- (F) It used its horns to stay safe.
- (G) It was probably like some animals that we see today.
- (H) It is probably still alive.
- (J) It probably lived far away from other dinosaurs.

Name \_\_\_\_\_ Date \_\_\_\_\_



**Directions:** On your answer sheet, fill in the circle next to the correct answer.

**1** When can you see the Sun in the sky?

 GLE 0I07.Inq.I, 0I07.6.I

- (A) only during the winter
- (B) at night
- (C) only during the summer
- (D) during the day

**2** Why do stars look like dots of light in the night sky?

 GLE 0I07.6.I

- (F) Stars are very small.
- (G) Stars are very far away.
- (H) Stars are very close together.
- (J) Stars are not very bright.

**3** How are stars different from each other?

 GLE 0I07.6.I

- (A) colors and sizes
- (B) shapes and sizes
- (C) shapes and colors
- (D) phases and gases

**4** Which two things can you see in the sky at night?

 GLE 0I07.Inq.I, 0I07.6.I

- (F) Sun and Moon
- (G) Moon and stars
- (H) Moon and air
- (J) Sun and other stars

**5** What can you only see at night?

 GLE 0I07.Inq.I, 0I07.6.I

- (A) Sun
- (B) Earth
- (C) clouds
- (D) stars

**6** What can you see in the sky during the day?

GLE 0107.Inq.I, 0107.6.2

- F Moon
- G Sun
- H Moon and the Sun
- J Stars

**7** Look at the picture of a sky.



What kind of sky is this?

GLE 0107.6.2

- A a daytime sky
- B a rainy sky
- C a nighttime sky
- D a cloudy sky

**8** What would Earth be like without the Sun?

GLE 0107.6.2

- F cold and dark
- G bright and warm
- H hot and dry
- J bright and cold

**9** The Moon seems to change shape from night to night. What is this change of shape called?

GLE 0107.6.2

- A month
- B orbit
- C phase
- D Model

Name \_\_\_\_\_ Date \_\_\_\_\_

**10** What helps us see the Moon at night? GLE 0107.6.2

- (F) light from Earth
- (G) light from the clouds
- (H) light from the stars
- (J) light from the Sun



**Directions:** On your answer sheet, fill in the circle next to the correct answer.

**1** Ava looked around the school grounds. She saw rocks, soil, water, grass, and trees. What are these things called?

GLE 0I07.Inq.3, 0I07.7.I

- (A) habitats
- (B) pollution
- (C) energy
- (D) natural resources

**2** Which is an example of a human-made object?

GLE 0I07.Inq.3, 0I07.Inq.3, 0I07.7.I

- (F) soil
- (G) water
- (H) bus
- (J) butterfly

**3** Where is most of Earth's water found?

GLE 0I07.7.I

- (A) oceans
- (B) lakes
- (C) rivers
- (D) streams

**4** What is true about all rocks?

GLE 0I07.7.I

- (F) All rocks are the same color.
- (G) All rocks are the same size.
- (H) All rocks are made of minerals.
- (J) All rocks are the same texture.

Name \_\_\_\_\_ Date \_\_\_\_\_

- 5** Look at the picture of the girls. They are playing on the swings in a park.



What is true about the swing set?

GLE 0I07.7.1

- (A) The swing set is a mineral.
- (B) The swing set is a human-made object.
- (C) The swing set is a rock.
- (D) The swing set is a living organism.

- 6** What is air?

GLE 0I07.7.2

- (F) a mixture of solids
- (G) a mixture of gases
- (H) a mixture of liquids
- (J) a mixture of solids, gases, and liquids

**7** Which natural resources can we use to make clothing?

GLE 0107.T/E.2, 0107.7.2

- (A) air and animals
- (B) plants and animals
- (C) rocks and minerals
- (D) soil and plants

**8** Which one is a natural part of Earth's surface?

GLE 0107.7.2

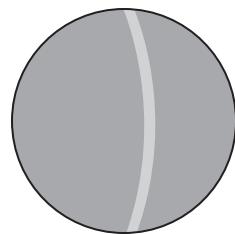
- (F) rock



- (G) bottle



- (H) rubber ball



- (J) jump rope



Name \_\_\_\_\_ Date \_\_\_\_\_

**9** Which resources can we use to build a home? GLE 0I07.T/E.2, 0I07.7.2

- (A) air, water, animals
- (B) plants, animals, water
- (C) rocks, minerals, plants
- (D) rocks, animals, soil

**10** What is one way people use coal? GLE 0I07.T/E.2, 0I07.7.2

- (F) to help grow plants
- (G) to help build houses
- (H) to help them breathe
- (J) to help heat homes



**Directions:** On your answer sheet, fill in the circle next to the correct answer.

- 1** Suri saw a newspaper. It told of the weather for the week. Every day had a picture of a Sun. What kind of weather should Suri expect?

GLE 0107.Inq.3, 0107.8.I

Weather				
Monday	Tuesday	Wednesday	Thursday	Friday
				

- (A) foggy
- (B) windy
- (C) sunny
- (D) cloudy

- 2** Look at the data table.

Day	How the Sky Looks
Monday	sunny
Tuesday	cloudy
Wednesday	cloudy

Which day was sunny?

GLE 0107.Inq.3, 0107.8.I

- (F) Monday
- (G) Tuesday
- (H) Wednesday
- (J) Thursday

Name \_\_\_\_\_ Date \_\_\_\_\_

**3** Look at the table in question 2. What was the weather like on Tuesday?

 GLE 0I07.Inq.3, 0I07.8.I

- (A) It was sunny.
- (B) It was cloudy.
- (C) It was rainy.
- (D) It was gray.

**4** What should you wear on a dry, windy day?

 GLE 0I07.Inq.1, 0I07.8.I

- (F) a snowsuit
- (G) a jacket
- (H) a bathing suit
- (J) a raincoat

**5** How often does the weather change?

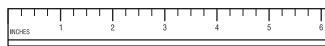
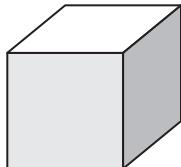
 GLE 0I07.8.I

- (A) day to day
- (B) four times a year
- (C) when it rains
- (D) once a month only



**Directions:** On your answer sheet, fill in the circle next to the correct answer.

- 1** Look at the picture.

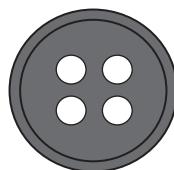


How are these objects alike?

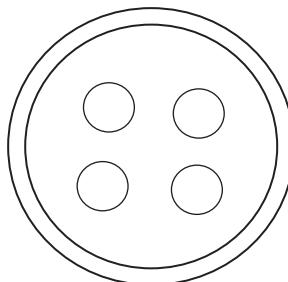
**GLE 0107.9.I**

- (A) They all can float.
- (B) They all are liquids.
- (C) They all are soft.
- (D) They all are solids.

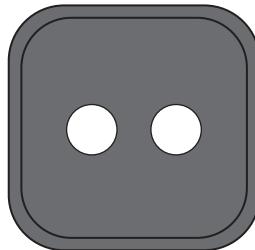
Name \_\_\_\_\_ Date \_\_\_\_\_

**2** Look at the picture of buttons.

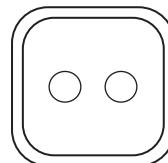
1



3



2



4

Which buttons are the same shape?

GLE 0I07.9.I

- F buttons 1 and 2
- G buttons 2 and 3
- H buttons 1 and 3
- J buttons 2 and 4

**3** Look at the buttons in question 2. Which buttons are the same color?

GLE 0I07.9.I

- A buttons 1 and 2
- B buttons 2 and 3
- C buttons 1 and 3
- D buttons 2 and 4

**4** Look at the buttons in question 2. Which buttons are the same shape?

GLE 0I07.9.I

- F buttons 1 and 2
- G buttons 2 and 3
- H buttons 1 and 3
- J buttons 3 and 4

**5** What is a property of milk?

GLE 0107.9.1

- (A) Milk is a solid.
- (B) Milk is round.
- (C) Milk is cold.
- (D) Milk is white.

**6** Which ones are liquids?

GLE 0107.9.2

- (F) sandwich and soup
- (G) soup and juice
- (H) cookie and juice
- (J) sandwich and cookie

**7** How are solids and liquids different?

GLE 0107.9.2

- (A) Solids have mass. Liquids do not have mass.
- (B) Solids have their own shapes. Liquids do not have their own shapes.
- (C) Liquids have their own shapes. Solids do not have their own shapes.
- (D) Liquids have volume. Solids do not have volume.

Name \_\_\_\_\_ Date \_\_\_\_\_

- 8** Hector sorted his lunch items into two groups. The chart shows his groups. What could Hector add to the things in group 2?

 GLE 0107.9.2

Group 1	Group 2
Ham sandwich	Tomato soup,
Corn chips	Milk
Banana.	

- (F) juice
- (G) carrots
- (H) pickles
- (J) crackers

- 9** Look at the chart in question 8. How are the things in group 1 alike?

 GLE 0107.9.2

- (A) They are all sweet.
- (B) They are all solids.
- (C) They are all sour.
- (D) They are all liquids.

**10** Which flows the slowest?

 GLE 0107.9.2

- (F) honey
- (G) milk
- (H) water
- (J) orange juice

**11** Tina added sugar to her tea. What did she change about the tea?

 GLE 0107.Inq.I, 0107.9.3

- (A) its size
- (B) its color
- (C) its shape
- (D) its taste

**12** Which one dissolves when it is mixed with water?

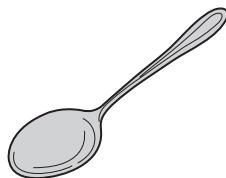
 GLE 0107.9.3

- (F) sand
- (G) salt
- (H) rock
- (J) soil

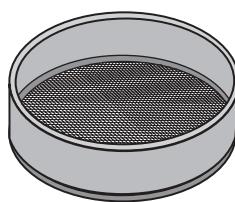
- 13** Marco spilled bits of iron into a cup of salt. What could he use to get the bits of iron out?

GLE 0I07.T/E.I, 0I07.9.3

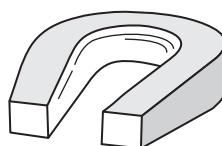
(A)



(B)



(C)



(D) any of these

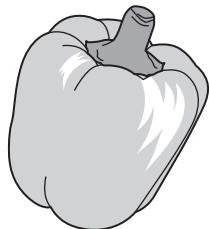
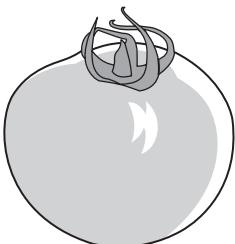
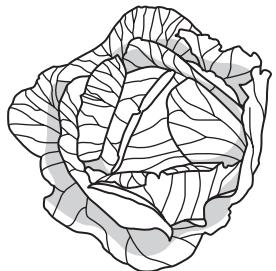
- 14** You stir sand into a glass of water. Then you stop stirring. What happens?

GLE 0I07.Inq.I, 0I07.9.3

- (F) The sand floats to the top.
- (G) The sand sinks to the bottom.
- (H) The sand stays mixed with the water.
- (J) The sand causes a chemical change.

**15** You can make a salad with different vegetables. What is a salad?

GLE 0107.9.3



- (A) a solid
- (B) a mixture
- (C) a liquid
- (D) a gas

Name \_\_\_\_\_ Date \_\_\_\_\_



**Directions:** On your answer sheet, fill in the circle next to the correct answer.

**1** The Sun is a source of light. What other form of energy comes from the Sun?

GLE 0107.Inq.I, 0107.IO.I

- (A) heat
- (B) sound
- (C) electricity
- (D) wind

**2** What happens to an ice cube if you put it in a sunny place?

GLE 0107.Inq.I, 0107.IO.I

- (F) It freezes.
- (G) It gets bigger.
- (H) It dissolves.
- (J) It melts.

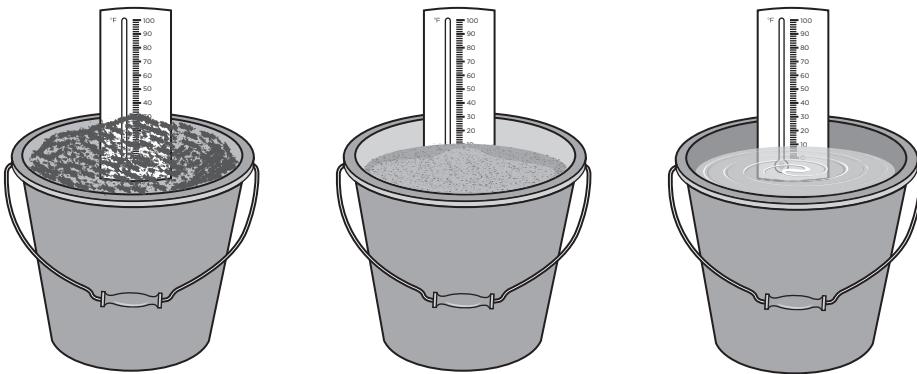
**3** Milo put a bowl of water in sunlight. How does the water change after a few days?

GLE 0107.Inq.I, 0107.IO.I

- (A) It melts.
- (B) It evaporates.
- (C) It cools.
- (D) It freezes.

- 4** Hiro and Sally did an experiment. They used buckets of sand, soil, and water. They put a thermometer in each bucket. Then they put all the buckets in a sunny place. What was their result?

 GLE 0I07.Inq.3, 0I07.I0.1



- F The sand had the highest temperature.
- G The soil had the highest temperature.
- H The water had the highest temperature.
- J All three had the same temperature.

- 5** It is a hot, sunny day. Where would you be the coolest?

 GLE 0I07.I0.1

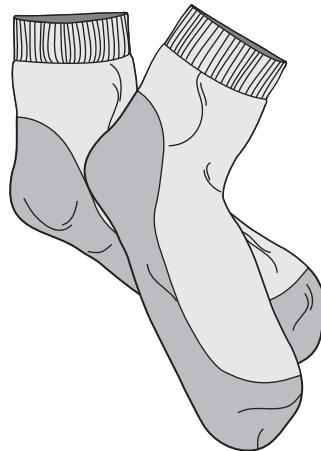
- A on a soccer field
- B on a playground
- C under a big tree
- D in a sandbox

Name \_\_\_\_\_ Date \_\_\_\_\_



**Directions:** On your answer sheet, fill in the circle next to the correct answer.

- 1** What force do you use when you put on a sock?



- (A) a push
- (B) a pull
- (C) friction
- (D) gravity

**2** A batter hits a baseball. What kind of force does the batter use?

GLE 0107.II.I



- (F) a push
- (G) a pull
- (H) friction
- (J) speed

**3** Reka plays soccer. What can she do to make the soccer ball move faster?

GLE 0107.II.I

- (A) pick up the ball
- (B) kick the ball
- (C) put her foot on top of the ball
- (D) run away from the ball

Name \_\_\_\_\_ Date \_\_\_\_\_

- 4** A force can make things move faster. Which uses the most force to move?

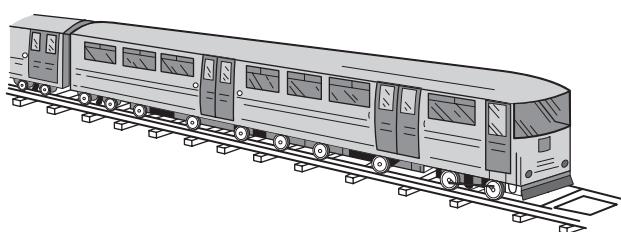
GLE 0107.II.I

(F)



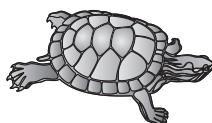
bicycle

(G)



train

(H)



turtle

(J)



skateboard

- 5** Lupe put her little brother in a swing. How can she keep the swing moving?

GLE 0107.II.I



- (A) give it a push or a pull
- (B) leave it alone
- (C) hold it still
- (D) sit on the swing



**Directions:** On your answer sheet, fill in the circle next to the correct answer.

**1** Which object can you pick up with a magnet?

GLE 0107.12.1

(A)



cup

(B)



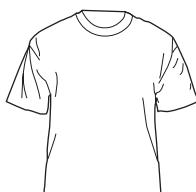
paper clip

(C)



pencil

(D)



shirt

**2** Which magnets will repel each other?

GLE 0107.12.1

(F)



(G)



(H)



(J) none of these

- 3** Scott has a bowl of steel clips and plastic clips. The clips are all mixed together. What can Scott use to separate the steel clips from the paper clips?

 GLE 0107.Inq.2, 0107.I2.I

- (A) hand lens



- (B) thermometer



- (C) ruler



- (D) magnet



- 4** What kinds of objects will a magnet attract?

 GLE 0107.I2.I

- (F) objects that have iron
- (G) objects that are solid
- (H) objects that are hot
- (J) objects that are heavy

Name \_\_\_\_\_ Date \_\_\_\_\_

**5** Which object can block the pull of a magnet?

 GLE 0I07.I2.I

- (A) air
- (B) wood
- (C) your hand
- (D) a sheet of paper



**Directions:** On your answer sheet, fill in the circle next to the correct answer.

- 1** Clara tested how many paper clips she could hang from a magnet. She made observations. Then she wrote down what happened. What should Clara do next?

**GLE 0I07. Inq.2, GLE 0I07.12.I**

- (A) draw her conclusion and share her results
- (B) play outside with her best friend
- (C) draw a conclusion and keep it a secret
- (D) go to music class

- 2** What can help a person see that a storm is coming?

**GLE 0I07.T/E.2, GLE 0I07.8.I**

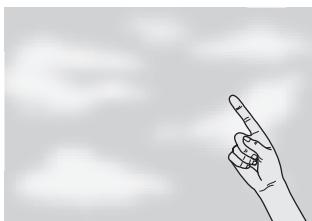
(F)



(G)



(H)



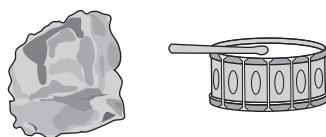
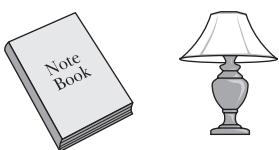
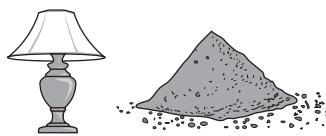
(J)



Name \_\_\_\_\_ date \_\_\_\_\_

**3** Which of these things are found in nature?

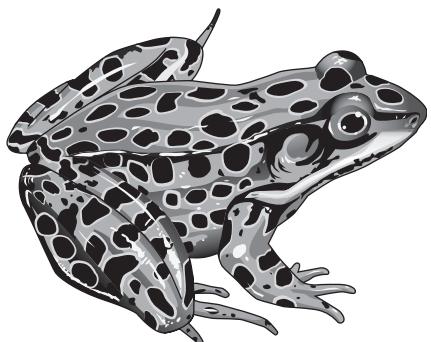
GLE 0107.2.1

**A****B****C****D**

**4** Which animal does a tadpole turn into?

GLE 0107.4.I

(F)



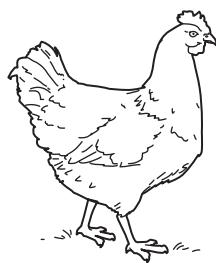
frog

(G)



butterfly

(H)



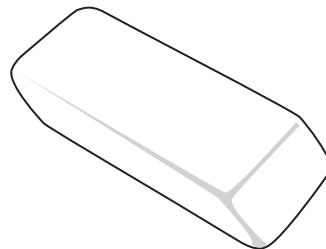
chicken

(J)

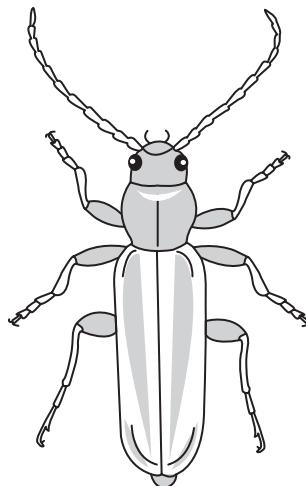


bird

Name \_\_\_\_\_ date \_\_\_\_\_

**5** What is the job of an eraser? GLE 0I07. T/E.I, GLE 0I07.7.2

- (A) It makes marks.
- (B) It gets rid of marks.
- (C) It holds the pencil together.
- (D) It makes the pencil work.

**6** Which is a true statement about this insect? GLE 0I07.I.I

- (F) It has two body parts
- (G) It makes its own food.
- (H) It has several body parts that work together.
- (J) It has one body part.

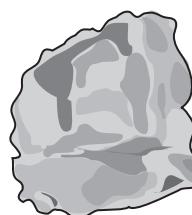
**7** Deserts have very little water. What is true about the plants that live in deserts?

 GLE 0107.5.I

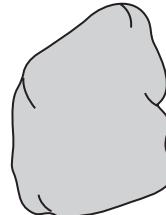
- (A) They make water.
- (B) They eat animals and other plants.
- (C) They do not need water.
- (D) They store water.

Name \_\_\_\_\_ date \_\_\_\_\_

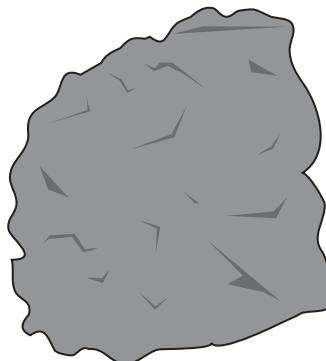
- 8** Look at the rocks in the picture. How are rocks 2 and 3 most alike?

 GLE 0107.9.I

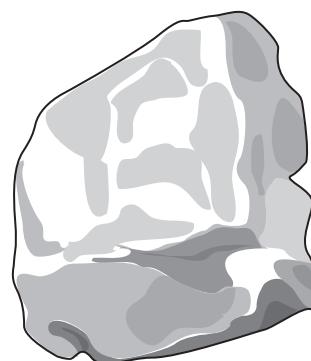
1



3



2



4

- (F) smoothness
- (G) shape
- (H) size
- (J) pattern

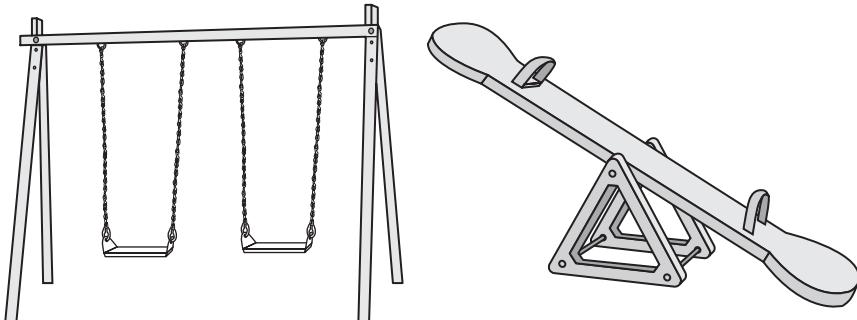
- 9** Which can not be seen during the day?

 GLE 0107.6.I

- (A) Sun
- (B) Moon
- (C) clouds
- (D) stars

- 10** A swing set and a seesaw are in the school playground. What is true about these objects?

GLE 0107.7.2



- (F) They are both yellow.
- (G) They are human-made objects.
- (H) They are made of soil and water.
- (J) They are for grown-ups.

- 11** Lindsey is making lemonade. She stirs a small amount of drink mix into a glass of water. What happens?

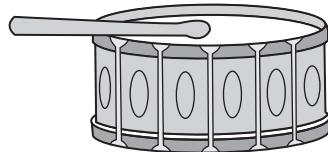
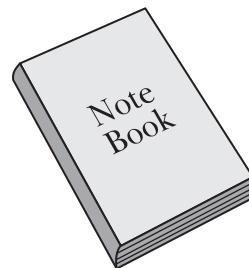
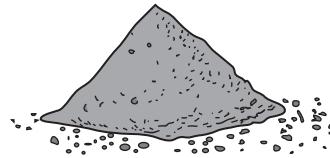
GLE 0107.Inq.3, GLE 0107.9.3

- (A) The drink mix floats to the top.
- (B) The drink mix falls to the bottom.
- (C) The drink mix dissolves in the water.
- (D) The drink begins to freeze.

Name \_\_\_\_\_ date \_\_\_\_\_

**12** Look at the pictures. How are these things alike?

GLE 0107.2.1



- (F) They all can move.
- (G) They all are living.
- (H) They all are nonliving.
- (J) They all come from nature.

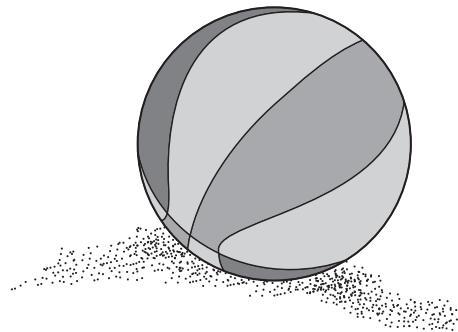
**13** Remains of plants and animals from long ago are called

GLE 0107.5.2

- (A) fossils
- (B) endangered
- (C) dinosaurs
- (D) amber

- 14** Lucy goes to the beach every summer. She leaves her ball in the hot sand. What makes her ball hot?

GLE 0107.10.1



- (F) the waves
- (G) the clouds
- (H) the Sun
- (J) the people

- 15** Look at the animal in the picture. How does it change as it grows?

GLE 0107.4.1



- (A) It changes from a caterpillar to an adult frog.
- (B) It changes from a caterpillar to a butterfly.
- (C) It changes color from brown to green.
- (D) It becomes a frog.

Name \_\_\_\_\_ date \_\_\_\_\_

- 16** Hannah wants to know how hot it is outside. What tool could she use?

GLE 0I07 Inq., GLE 0I07.8.I

- (F) hand lens



- (G) thermometer



- (H) ruler



- (J) balance



- 17** How are solids and liquids different?

GLE 0I07.9.2

- (A) Solids have mass. Liquids do not.
- (B) Solids have their own shapes. Liquids do not.
- (C) Liquids have their own shapes. Solids do not.
- (D) Liquids have volume. Solids do not.

- 18** Renee is playing soccer. What does she need to do to make the ball move faster?

 GLE 0107.II.I



- (F) kick the ball gently
- (G) kick the ball really hard
- (H) put her foot on top of the ball
- (J) wear her lucky shirt

- 19** Where do rocks come from?

 GLE 0107.7.I

- (A) people
- (B) plants
- (C) Earth
- (D) the Sun

Name \_\_\_\_\_ date \_\_\_\_\_

- 20** You observe a leaf with a hand lens. What question could you answer?

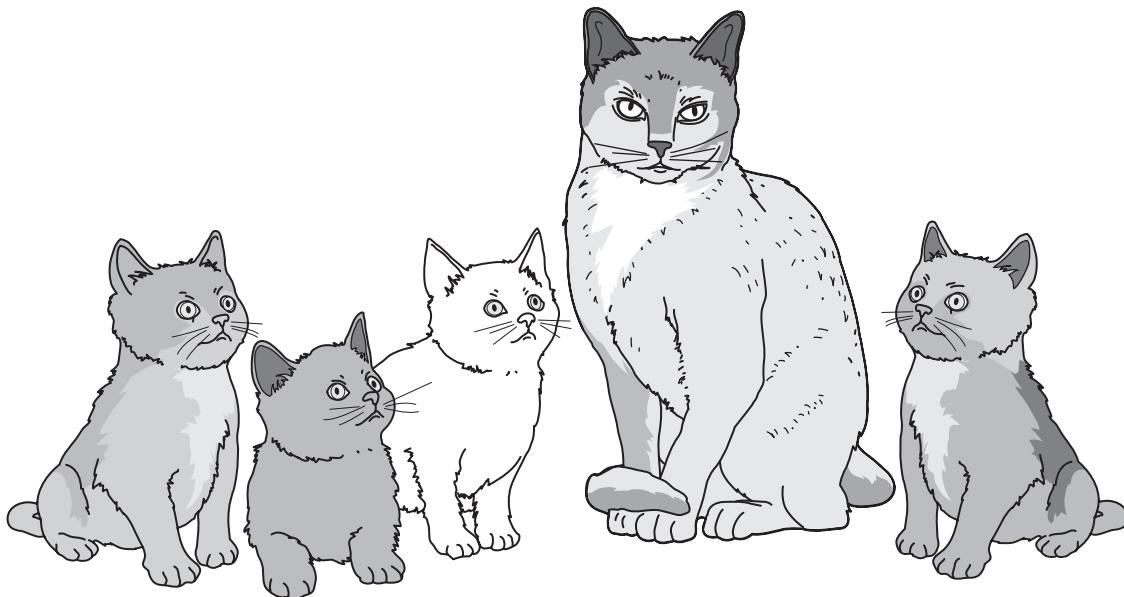
GLE 0107.T/E.I, GLE 0107.I.2



- (F) How much does the leaf weigh?
- (G) How old is the leaf?
- (H) How does the leaf grow?
- (J) What are the parts of the leaf?

- 21** How are the kittens like their parent?

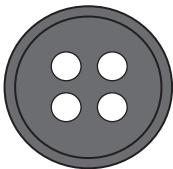
GLE 0107.4.2



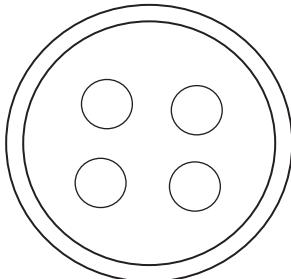
- (A) They all have the same color fur.
- (B) They all are the same size.
- (C) They all like to play with people.
- (D) They all have four legs and fur.

**22** Look at the buttons. Which ones would you group together by size?

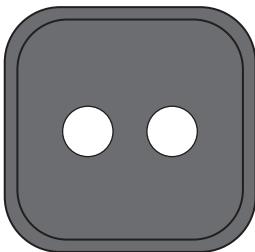
GLE 0107.9.I



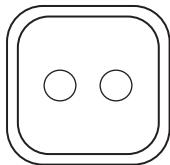
1



3



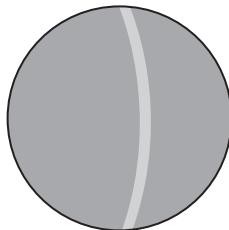
2



4

- (F) buttons 1 and 2
- (G) buttons 2 and 3
- (H) buttons 1 and 3
- (J) buttons 2 and 4

Name \_\_\_\_\_ date \_\_\_\_\_

**23** Which object can you pick up with a magnet? GLE 0107.12.1**A****B****C****D**

**24** A rainforest is a very wet place. What helps plants survive there?

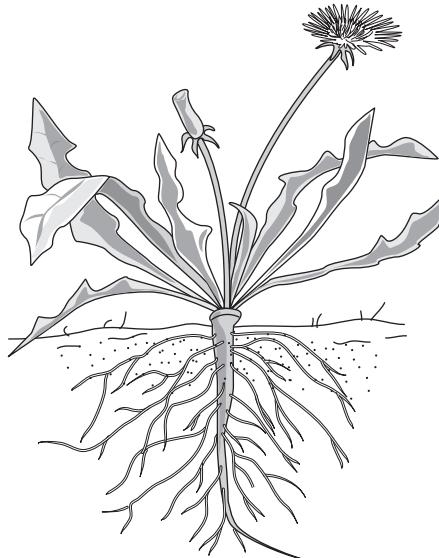
GLE 0107.5.1



- (F) thick stems that store water
- (G) roots that grow close to the ground
- (H) stems that move around
- (J) large, pointy leaves

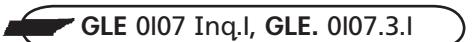
Name \_\_\_\_\_ date \_\_\_\_\_

- 25** Maya has a hand lens. She uses it to see the root hairs on a plant's root. How does the hand lens help her?

GLE 0007.T/E.2, GLE. 0107.I.2

- (A) It makes the root hairs look smaller.
- (B) It makes the root hairs look green.
- (C) It makes the root hairs grow.
- (D) It makes the root hairs look larger.

- 26** How do some trees change during the fall?

GLE 0107 Inq.I, GLE. 0107.3.I

- (F) They grow more leaves.
- (G) Their leaves get greener.
- (H) They lose their leaves.
- (J) The leaves get bigger.

**27** Which can be seen during the day and at night?

 GLE 0107.6.2

- (A) stars
- (B) the Moon
- (C) the Sun
- (D) Earth

**28** How can you close a refrigerator door?

 GLE 0107.II.I

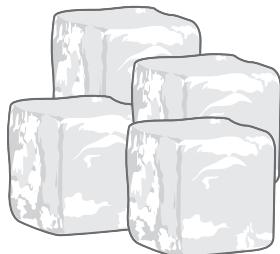


- (F) by watching it
- (G) by pushing it
- (H) by pulling it
- (J) by rubbing it

Name \_\_\_\_\_ date \_\_\_\_\_

**29** What is different about ice and water?

GLE 0107.9.2



- (A) Ice is a liquid. Water is a solid.
- (B) Both water and ice are liquids.
- (C) Both water and ice are solids.
- (D) Ice is a solid. Water is a liquid.

**30** Which is true about dinosaurs?

GLE 0107.5.2

- (F) They are endangered.
- (G) They are extinct.
- (H) They live in water.
- (J) They are only found in zoos.

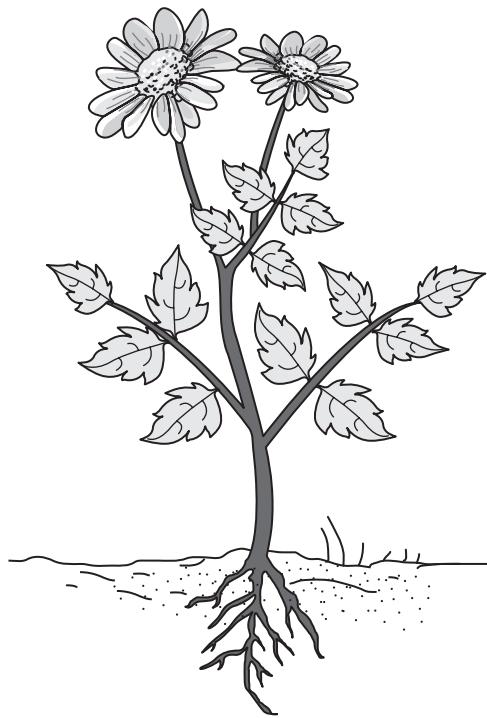
**31** What happens to a puddle on a sunny day?

GLE 0107.10.1

- (A) It gets bigger.
- (B) It evaporates.
- (C) It changes into ice.
- (D) It moves around.

**32** What does this picture show?

GLE 0107.I.I

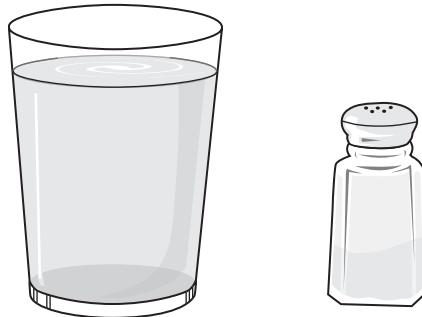


- (F) All living things have hair.
- (G) All living things can survive in very cold places.
- (H) All living things have parts that work together.
- (J) All living things can survive in very hot places.

Name \_\_\_\_\_ date \_\_\_\_\_

- 33** You stir salt into a glass of water. Then you stop stirring. What happens?

GLE 0107.9.3



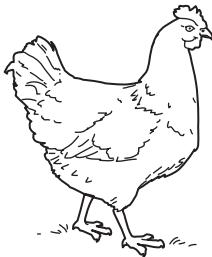
- (A) The salt floats to the top.
- (B) The salt sinks to the bottom.
- (C) The salt mixes with the water.
- (D) The salt causes a change in texture.

- 34** When can you see the Sun in the sky?

GLE 0107.6.I

- (F) at night
- (G) during the day
- (H) only during the summer
- (J) only during the winter

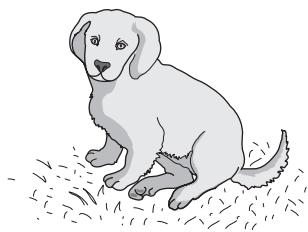
**35** Look at the picture of a chicken.



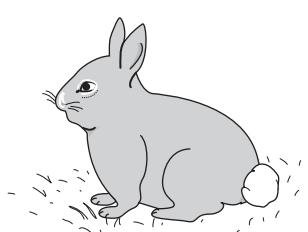
Which could be the chicken's young?

GLE 0107. Inq.2, GLE 0107.4.2

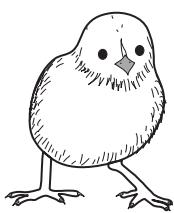
(A)



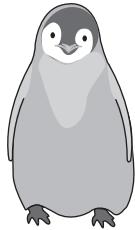
(B)



(C)



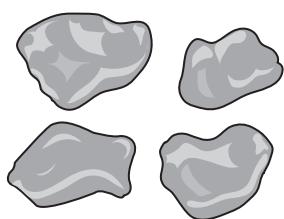
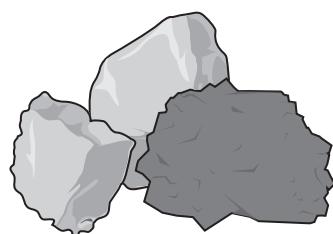
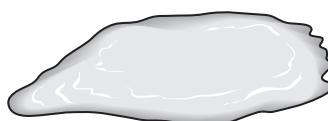
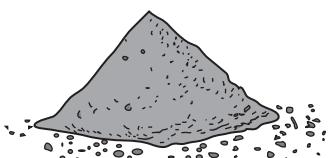
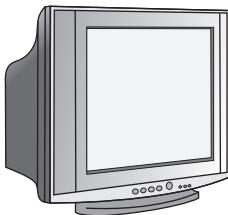
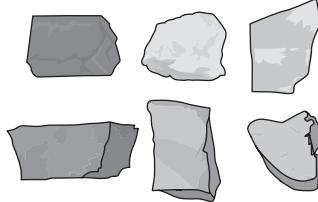
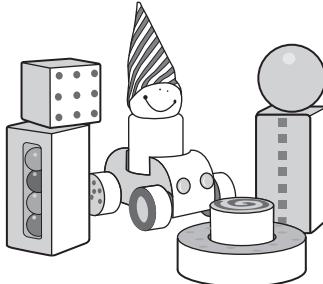
(D)



Name \_\_\_\_\_ date \_\_\_\_\_

**36** Which of these things is a natural part of Earth's surface?

GLE 0107.7.1

**F****G****H****J**

- 37** Maria planted some seeds. She watched them grow. What can happen to seeds?

 GLE 0I07. Inq.3, GLE 0I07.3.I



- (A) They can disappear.
- (B) They can move around.
- (C) They can make a plant warm.
- (D) They can grow into new plants.

- 38** Which statement about the Moon is true?

 GLE 0I07.6.2

- (F) It always looks the same from Earth.
- (G) It is a very large star.
- (H) It has water and air.
- (J) It can be seen at night and sometimes during the day.

