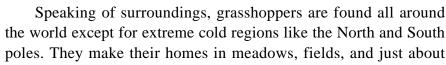


Let's hop into the world of a fascinating creature - the grasshopper! These intriguing insects belong to the group of bugs called Orthoptera, which also includes crickets and katydids. Grasshoppers are known for their long, slender bodies, powerful hind legs for jumping, and two pairs of wings. They can come in many colors, from green and brown to bright yellow or red, which helps them blend into their surroundings.





anywhere with lots of plants. Why, you ask? Because these insects are primarily herbivores, munching on a diet of leaves, grasses, and cereal crops. Some larger species might eat smaller insects, but mostly, they're all about the greens.

Now, let's look at the life cycle of these leaf-loving critters. Grasshoppers go through a process called incomplete metamorphosis, which includes three stages: egg, nymph, and adult. After hatching from eggs, the nymphs look like tiny adults but without wings, and they grow bigger by shedding their skin several times. By the time they reach the adult stage, they have full-grown wings and are ready to start the cycle all over again by laying eggs.



Grasshoppers may seem small and harmless, but they actually play a big role in our world. For other animals, they're an important part of the food chain, serving as a meal for birds, reptiles, and other insects. For humans, they can sometimes be pests, damaging crops, but they're also admired for their ability to jump and are even considered symbols of luck in many cultures. With their powerful jumps, interesting life cycle, and important role in the ecosystem, grasshoppers truly are fascinating creatures to learn about.



Solve each problem.

Use the article to answer the question.

1) How many wings do grasshoppers have?

A. grasshoppers do not have wingsB. 1 pairC. 2 pairsD. 3 pairs

2) What can grasshoppers be considered in many cultures?

A. Symbols of beautyB. Symbols of dangerC. Symbols of luckD. Symbols of strength

3) Where can grasshoppers be found?

A. Mountains and cavesB. Fields and meadowsC. Deserts and junglesD. Oceans and rivers

4) Why are grasshoppers admired in some cultures?

A. Ability to climbB. Ability to jumpC. Ability to swimD. Ability to fly

5) What is the role of grasshoppers in the food chain?

A. Serve as plant fertilizers B. Serve as a meal for predators

C. Serve as predators for smaller insects D. Serve as pollinators for flowers

6) What are grasshoppers primarily known for?

A. Flying B. Jumping
C. Swimming D. Climbing

7) What do grasshoppers primarily eat?

A. Meat and smaller insectsB. Leaves and grassesC. Fish and algaeD. Nuts and seeds

8) What is the process called where grasshoppers go through different stages of development?

A. Slow metamorphosis

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C. Complete metamorphosis

D. Instant metamorphosis

9) What happens to the nymphs as they grow bigger?

A. Their color changes B. They shed their skin several times

C. They grow larger wings D. They form cocoons

10) What do grasshopper nymphs look like?

A. Tiny adults without wings

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C. Caterpillars with only 6 legs D. Small worms

Determine if the statements is something the animal would say (W) or it it is not something the animal would say (N).

11) "As grasshoppers, we hate plants and prefer to live in concrete cities."

12) "I eat meat regularly."

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- 13) "You can find me anywhere around the globe except in the icy regions like the North pole. It's just too cold there!"
- 14) "We grasshoppers don't like to jump, we prefer crawling around."
- **15**) "I'm born with fully grown wings."
- **16**) "I cannot jump at all."
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- 20) "I prefer to live in the North and South poles."
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- 22) "I'm considered bad luck in many cultures."
- 23) "You'll see me hanging out in meadows and fields a lot. Lots of greenery to munch on!"
- 24) "I can be a beneficial insect for crop farmers."
- 25) "In many cultures, I am seen as a symbol of good luck. It's pretty cool, right?"
- **26**) "From a tiny egg, I become a little version of my adult self, then I grow wings and become a full-grown grasshopper."
- 27) "Some of my bigger cousins might nibble on smaller insects, but we mostly prefer our veggies."
- **28**) "I'm a carnivore, I only eat other small insects."
- **29**) "I'm probably most well known for my powerful hind legs. I use them to jump from blade of grass to blade of grass."
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Determine if the statement is a fact or opinion based on the information in the article.

- 31) The life of a grasshopper includes three stages the egg, nymph and adult stages.
- **32)** Grasshoppers' vibrant colors make them the most beautiful insects.
- 33) Grasshoppers usually eat leaves, grasses, and cereal crops.
- 34) Grasshoppers are more interesting than other insects because they have two pairs of wings.
- 35) Grasshoppers can have different colors including green, brown, yellow or red.
- **36)** It is amazing how grasshoppers can grow bigger by shedding their skin.
- 37) A lot of animals like birds, reptiles, and even other insects eat grasshoppers.
- 38) You cannot find grasshoppers in extremely cold areas like the North and South poles.
- **39**) Grasshoppers eating plants is a bit annoying.
- **40**) Grasshoppers are interesting because they can jump really high.

Determine if the statement is true or false.

- **41**) Grasshoppers serve as a meal for birds.
- **42**) Grasshoppers are considered symbols of bad luck in many cultures.
- **43**) Grasshopper nymphs do not have wings.



Name:

- 44) Grasshoppers belong to the same group of bugs as bees and butterflies.
- **45**) Grasshoppers grow bigger by shedding their skin.
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- **47**) Grasshoppers are all green in color.
- **48**) Grasshoppers are born with full-grown wings.
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- **50**) Grasshoppers have powerful hind legs for jumping.

Determine which choice is the expanded form of the underlined contraction.

- 51) Grasshoppers aren't nocturnal; they're active during the day.
 - A. are

B. are not

C. cannot

- D. do not
- **52)** Some grasshoppers can jump up to 1 meter, which's really far for their size.
 - A. which is

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- 53) Grasshoppers don't chew their food but swallow it whole.
 - A. does not

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- D. do not
- 54) Grasshoppers can't change their color like chameleons.
 - A. cannot

B can

C. do not

D. will not

55) There're more than 11,000 species of grasshoppers in the world.

A. there were

B. there is

C. there are

D. they are

Determine if the sentence is a declarative(d), exclamatory(e), interrogative(i) or imperative(m).

- **56)** Grasshoppers have big eyes that help them see in all directions.
- 57) What do grasshoppers eat?
- 58) Grasshoppers have a strong body and can survive in different climates and environments.
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- 60) Grasshoppers communicate by making chirping sounds using their back legs.
- 61) Learn about the different species of grasshoppers and their habitats.
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- **64)** Grasshoppers can be green, brown, or a combination of both, what an astonishing biodiversity!
- 65) It's mind-boggling to think that grasshoppers have been on Earth for 250 million years!

Name:

- **66)** Grasshoppers eat plants and can consume large amounts of leaves.
- 67) Did you know that a grasshopper has no lungs, breathes through tiny tubes all along their body, it's fantastic!
- 68) Grasshoppers are so cool that some species can perform a buzzing sound known as stridulation, it's musical!
- 69) Some grasshoppers are known as locusts and they can swarm in the millions! Unbelievable!
- 70) It's hard to believe, but when grasshoppers are threatened, they will spit brown liquid, eeewww!
- 71) Did you know, grasshoppers have been around for 300 million years? Amazing!
- 72) Can you imagine? In certain cultures, grasshoppers are considered a delicacy and are eaten for protein!
- 73) It's astonishing that grasshoppers have five eyes!
- **74)** Grasshoppers have wings and can fly short distances.
- 75) Grasshoppers can leap 20 times the length of their own body, it's incredible!
- **76)** Grasshoppers are insects that can jump very high.
- 77) It's bewildering to know that a grasshopper's ears are located on its belly!
- 78) Grasshoppers have powerful hind legs that allow them to jump up to 20 times their body length.
- 79) Wow, grasshoppers can leap 20 times the length of their own body!
- **80**) Can grasshoppers fly?
- 81) By listening to a grasshopper's sounds, we can tell its temperature! How awesome is that?
- 82) Observe the different colors and patterns on grasshoppers' bodies.
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- **84)** Catch a grasshopper using a net.
- **85**) Do grasshoppers live in groups or alone?
- Grasshoppers molt their exoskeleton several times as they grow.

Determine which choice is the conclusion that can be drawn from the statement.

- 87) Grasshoppers have powerful hind legs that allow them to leap great distances. Based on this statement, what conclusion can be drawn about grasshoppers?
 - A. Grasshoppers have weak front legs.
- B. Grasshoppers use their hind legs to move quickly and escape predators.
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- D. Grasshoppers can't fly.



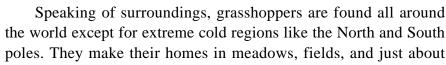
Name:

- **88)** Certain species of grasshoppers can release a bad-tasting foam when they feel threatened. How does this foam help protect them?
 - A. The bad-tasting foam deters predators from eating the grasshopper.
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- D. The foam helps the grasshopper blend in with its surroundings.
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 - A. Grasshoppers change their skin color when they molt.
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- D. Grasshoppers undergo physical changes as they grow.
- **90**) Grasshoppers are herbivores, which means they only eat plants. What might this mean for vegetations?
 - A. Grasshoppers eat other insects.
- B. Grasshoppers help plants by pollinating them.
- C. Grasshoppers only eat dead plants.
- D. Grasshoppers could potentially harm crops or plants by eating them.
- **91)** Grasshoppers are herbivores and enjoy eating grass, leaves, and flowers. What can happen when there are too many grasshoppers in one area?
 - A. Large groups of grasshoppers can damage crops and plants.
 - C. Grasshoppers start eating insects instead of plants when there are too many of them.
- B. Grasshoppers may start eating one another.
- D. Too many grasshoppers in one area help plants grow faster.

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Name: Answer Key

Solve each problem.

Use the article to answer the question.

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- Answer Kev **Grass Hoppers** Name:
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- Name: **Answer Key**
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Answer Key

Name:

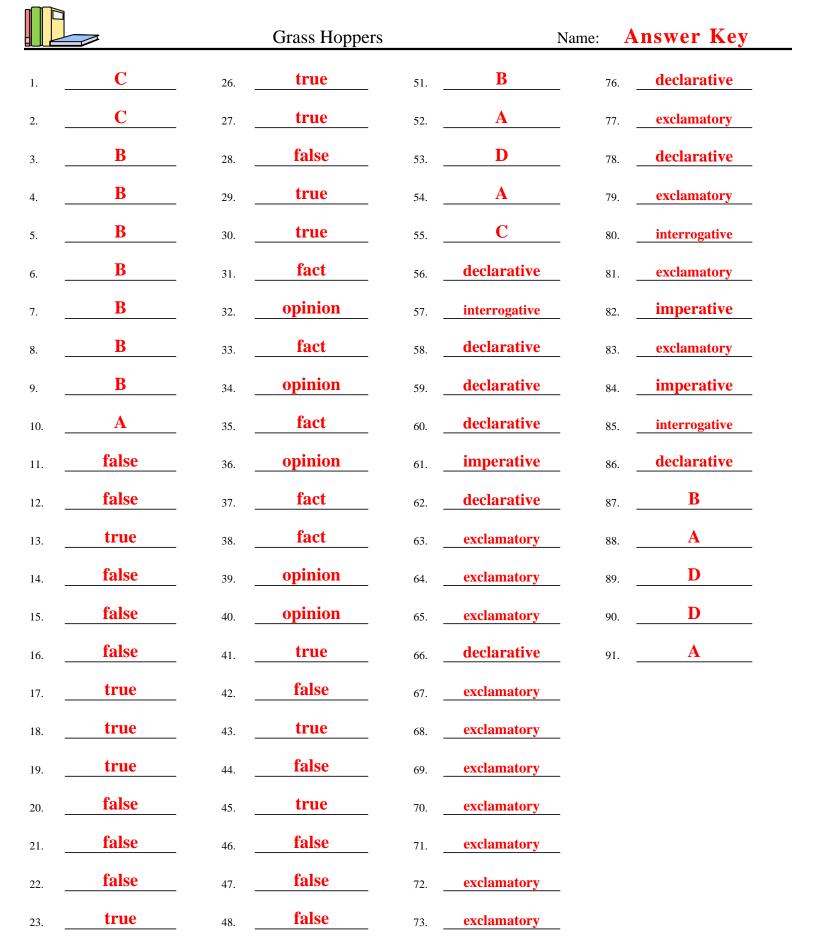
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- **90**) Grasshoppers are herbivores, which means they only eat plants. What might this mean for vegetations?
 - A. Grasshoppers eat other insects.
- B. Grasshoppers help plants by pollinating them.
- C. Grasshoppers only eat dead plants.
- D. Grasshoppers could potentially harm crops or plants by eating them.
- **91)** Grasshoppers are herbivores and enjoy eating grass, leaves, and flowers. What can happen when there are too many grasshoppers in one area?
 - A. Large groups of grasshoppers can damage crops and plants.
 - C. Grasshoppers start eating insects instead of plants when there are too many of them.
- B. Grasshoppers may start eating one another.
- D. Too many grasshoppers in one area help plants grow faster.



24.

25.

false

true

74.

75.

declarative

exclamatory

49.

50.

true

true

Name:

Solve each problem.

Use	the	article	to	answer	the	question.
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1) How many wings do grasshoppers have? (paragraph 1)

A. grasshoppers do not have wings

C. 2 pairs D.

2) What can grasshoppers be considered in many cultures? (paragraph 4)

A. Symbols of beauty

B. Symbols of danger

C. Symbols of luck

D.

3) Where can grasshoppers be found? (paragraph 2)

A. Mountains and caves

B. Fields and meadows

C.

D.

4) Why are grasshoppers admired in some cultures? (paragraph 4)

A.

B. Ability to jump

C.

D.

5) What is the role of grasshoppers in the food chain? (paragraph 4)

A.

B. Serve as a meal for predators

C.

D.

6) What are grasshoppers primarily known for? (paragraph 1)

A. Flying

B. Jumping

C.

D.

7) What do grasshoppers primarily eat? (paragraph 2)

A.

B. Leaves and grasses

C.

D.

8) What is the process called where grasshoppers go through different stages of development? (paragraph 3)

(paragraph 3)

A. Slow metamorphosis

B. Incomplete metamorphosis

C.

D.

9) What happens to the nymphs as they grow bigger? (paragraph 3)

A. Their color changes

B. They shed their skin several times

C.

D.

10) What do grasshopper nymphs look like? (paragraph 3)

A. Tiny adults without wings

B. Tiny adults with no rear legs

C.

D.

Determine if the statements is something the animal would say (W) or it it is not something the animal would say (N).

11) "As grasshoppers, we hate plants and prefer to live in concrete cities." (paragraph 2)



12) "I eat meat regularly." (paragraph 2)