Imagine a tiny creature, no bigger than your fingernail, hopping around the lush green leaves in your backyard. Yes, we're talking about leaf hoppers! These small, usually brightly colored insects are quite marvelous to look at with their wedge-shaped bodies and wings that look like a roof when folded. The adults can even jump up to 20 times their body length! Now that's a super jumper right there. With over 20,000 different types, there's a whole lot of variety in the world of leaf hoppers.

Taking a leap from how they look, let's find out what these little hoppers munch on. Leaf hoppers are plant eaters, and they love to sip on the sap from the underside of leaves. They use their



needle-like mouthparts to pierce through the plant tissues and reach the sap. Yum! But their eating habits can sometimes cause damage to the plants, making them a bit of a nuisance for gardeners.

Speaking of gardeners, let's see how these tiny creatures coexist with humans and other animals. While they might be a little annoying for those with green thumbs, leaf hoppers play a crucial role in the ecosystem. They are a yummy food source for various birds and insects, and their feeding can even help some plants by stimulating growth! However, they can also spread plant diseases, which is not so great for our leafy friends.



Finally, it's time to dive into the life cycle of these amazing insects. A leaf hopper's life begins as an egg, neatly tucked inside a plant stem or leaf by their mother. After a few weeks, they hatch as nymphs and start their journey towards adulthood, shedding their skin several times along the way. So, leaf hoppers are not only great jumpers but also remarkable survivors, from tiny eggs to colorful adults.



Leaf Hoppers

Solve each problem.

S0IV	e each problem.		
	the article to answer the question.Where do leaf hoppers lay their eggs?A. Inside a plant stem or leaf	B.	In the soil
	C. On tree bark	D.	In spider webs
2)	What is the shape of a leaf hopper's body?A. They have long, thin bodies.C. They have wedge-shaped bodies.		They have flat bodies. They have round bodies.
3)	Which best describes a leaf hoppers diet?A. HerbivoreC. Omnivore		Carnivore Insectivore
4)	What is the role of leaf hoppers in the ecosysA. They control the population of harmful pests.C. They help in pollination.	B.	? They are a food source for birds and insects. They help spread seeds.
5)	How do leaf hoppers help some plants?A. By helping to spread the seedsC. By protecting them from predators		By stimulating growth By pollinating them
6)	How many different types of leaf hoppers areA. Over 20,000C. Less than 100	B.	re? Around 1,000 Over 50,000
7)	What part of their body do leaf hoppers use to A. Their corrosive stomach acid C. Their needle-like mouthparts	B.	tract sap from plants? Their drill like stinger Their sharp claws
8)	How big can leaf hoppers jump?A. Up to 15 times their body lengthC. Up to 10 times their body length		Up to 5 times their body length Up to 20 times their body length
9)	Are leaf hoppers harmful to plants?A. Only during certain seasons.C. Yes, their eating habits can cause damage to plants.		No, they are beneficial to plants. No, they only consume dead leaves.
10)	What is leaf hoppers' favorite food? A. Fruits C. Sap		Leaves Flowers
11)	What is the size of a leaf hopper?A. More than 3 inchesC. About a foot		Microscopic Less than 3 inches

Reading

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

- 12) "I often get scolded by gardeners, my eating habits can be a bit destructive for their lovely plants."
- 13) "After we hatch, we're called nymphs. It's kind of like being a toddler, but we shed our skin instead of outgrowing clothes!"
- 14) "You see these wedge-shaped bodies? They're not just for show they're my survival tools!"
- 15) "I am a gardener's best friend. I help fertilize plants."
- 16) "I have a very specific diet. I stick to sipping on sap from plants, it's my version of fast food."
- 17) "My life begins as a full-grown adult."
- **18)** "I like eating meat more than plants."
- **19)** "Birds and insects love making a meal out of me."
- 20) "I go from an egg to a nymph in just a few weeks. Talk about growing up quick."
- 21) "My needle-like mouth is not just for show, I use it to pierce plant tissues and reach the yummy sap."
- 22) "I hate bright colors and am usually colorless."
- **23**) "I have to be careful not to spread plant diseases. If a plant gets a disease from me, it may not grow properly."
- 24) "All us leaf hoppers look same as there's no variety."
- **25**) "Each of my kind comes with a unique color and pattern. We are a rainbow of leaf hoppers!"
- 26) I can't jump, but I am very quick!
- 27) "I never spread any diseases."
- 28) "I bet no one can beat me in a jumping contest, I can jump 20 times my body length!"

Determine if the statement is a fact or opinion based on the information in the article.

- **29)** Leaf hoppers can sometimes harm plants when they eat.
- **30)** Leaf hoppers are incredibly interesting because they can jump up to 20 times their body length.
- **31**) Leaf hoppers eat by sipping sap.
- 32) Leaf hoppers are amazing looking with their wedge-shaped bodies and colorful wings.
- **33)** An adult leaf hopper can jump up to 20 times its body length.
- **34)** The fact that leaf hoppers can spread plant diseases is the most worst thing about them.
- **35)** A leaf hopper's life begins as an egg that is placed inside a plant stem or leaf.
- **36)** There are over 20,000 different types of leaf hoppers.
- **37)** Leaf hoppers are one of the most beautiful insects because of their brightly colored bodies.
- **38**) With over 20,000 types of leaf hoppers, it is fascinating how diverse they are.

Determine if the statement is true or false.

	Leaf Hopp	pers		Name:
39)	Leaf hoppers can spread plant diseases.			
40)	Leaf hoppers aren't able to jump despite their	0	0	
41)	Leaf hoppers can damage plants with their fee	eding	g habits.	
42)	Leaf hoppers can grow to be the size of a dolla	lar bi	ill.	
43)	Birds use leaf hoppers as a source of food.			
44)	There are only 10 different types of leaf hopped	pers.		
45)	A leaf hopper's life begins as a larvae.			
46)	Leaf hoppers use their feet to drink sap.			
47)	Leaf hoppers hatch from eggs.			
48)	Leaf hoppers can jump 20 times their body len	ength	l.	
Dete	ermine which choice is the expanded form of	f the	underlined contraction.	
49)	They'll eventually grow into adult leafhoppers.			
	-		They will	
	C. They must	D. ′	They should	
50)	Leafhoppers <u>can't</u> fly when they're still nymph	hs.		
	A. cannot	B. ,	will not	
	C. can	D. (do not	
51)	Leafhoppers aren't very big insects.			
	A. can not	В.	were not	
	C. will not	D. a	are not	
52)	Leafhoppers don't have wings when they're ny	ympł	18.	
	A. do not	B. (does not	
	C. cannot	D. (did not	
53)	They're shaped like a triangle.			
	A. They can	B. ′	They will	
	C. They are	D. ′	They were	
	ermine if the sentence is a declarative(d), exc	clam	natory(e), interrogative(i) o)r
-	erative(m).			
54)	It is amazing how leafhoppers can help pollina	-		
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56)	What animals eat leafhoppers?			
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- **57**) Leafhoppers are fascinating little insects!
- **58)** Leafhoppers are shaped like a wedge or triangle.
- **59**) What color are leafhoppers usually?
- **60)** Leafhoppers can sometimes cause damage to plants.
- 61) How do leafhoppers help in the circle of life?
- **62)** Leafhopper nymphs are tiny and wingless.



- **63**) Gently catch a leaf hopper using a small net.
- 64) Wow, leafhoppers can jump really high and fast!
- **65**) Please be careful not to step on the leaf hoppers.

			Leaf Hopper	S]	Name:	
1.		26		51.			
2		27		52.			
3		28		53.			
4.		29		54.			
5.				55.			
6.		31		56.			
7.		32		57.			
8		33		58.			
9		34		59.			
10		35		60.			
11		36		61.			
12		37		62.			
13.		38		63.			
14.		39		64.			
15		40		65.			
16.		41					
17		42					
18.		43					
19		44					
20.		45					
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22		47					
23.		48					
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25.		50					
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Leaf Hoppers

Name: Answer Key

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

- **12**) "I often get scolded by gardeners, my eating habits can be a bit destructive for their lovely plants."
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<u>39</u>)	Leaf Hop Leaf hoppers can spread plant diseases.	pe	18	Name:	Answer Key		
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,	A. do not	•	does not				
	C. cannot	D.	did not				
53)	They're shaped like a triangle.						
,	A. They can	B.	They will				
	C. They are	D.	They were				
Determine if the sentence is a declarative(d), exclamatory(e), interrogative(i) or imperative(m).							
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Leaf Hop	pers
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Name: Answer Key

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			Leaf Hoppers			Name:	Answer Key
1.	Α	26.	false	51.	D	_	
2.	C	27.	false	52.	Α		
3.	A	28.	true	53.	С	_	
4.	В	29.	fact	54.	exclamatory	_	
5.	B	30.	opinion	55.	imperative	_	
6.	A	31.	fact	56.	interrogative	_	
7.	C	32.	opinion	57.	exclamatory	_	
8.	D	33.	fact	58.	declarative	_	
9.	C	34.	opinion	59.	interrogative	_	
10.	C	35.	fact	60.	declarative	_	
11.	D	36.	fact	61.	interrogative	_	
12.	true	37.	opinion	62.	declarative	_	
13.	true	38.	opinion	63.	imperative	_	
14.	true	<u> </u>	true	64.	exclamatory	_	
15.	false	40.	false	65.	imperative	_	
16.	true	41.	true				
17.	false	42.	false				
18.	false	43.	true				
19.	true	44	false				
20.	true	45.	false				
21.	true	46.	false				
22.	false	47.	true				
23.	true	48.	true				
24.	false	49.	В				
25.	true	50.	Α				
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	Lea	f Hoppers	Name:
Solv	e each problem.		
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2)	C. What is the shape of a leaf hopper's bo	•	
-	A. They have long, thin bodies.C. They have wedge-shaped bodies.	D.	ve flat bodies.
3)	Which best describes a leaf hoppers di A. Herbivore C.	et? (paragraph 2) B. D.	
4)	What is the role of leaf hoppers in theA. They control the population of harmful pests.C.	ecosystem? (paragraph 3	a food source for birds and
5)	How do leaf hoppers help some plants A. C.		llating growth
6)	How many different types of leaf hopp A. Over 20,000 C.	pers are there? (paragrap B. D.	ph 1)
7)	What part of their body do leaf hopper A. Their corrosive stomach acid C. Their needle-like mouthparts		from plants? (paragraph 2) Il like stinger
8)	How big can leaf hoppers jump? (paragra A. Up to 15 times their body length C.	В.	times their body length
9)	Are leaf hoppers harmful to plants? (paA. Only during certain seasons.C. Yes, their eating habits can cause damage to plants.	ragraph 2) B. D.	
10)	What is leaf hoppers' favorite food? (pa A. Fruits C. Sap	B. Leaves D.	
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Determine if the statements is something the animal would say (W) or it it is not something the animal would say (N).

12) "I often get scolded by gardeners, my eating habits can be a bit destructive for their lovely plants." (paragraph 2)