Name:

Let's dive into the fascinating world of stone flies, shall we? These cool critters aren't much bigger than your thumb and are usually brown or black. They are covered in tiny hairs and have long, thin antennae that they use to explore their surroundings. You can also tell them apart from other bugs by their two sets of wings that fold flat over their bodies.



Remember those long antennae we talked about? They, along with the stone flies' six legs, are very important for helping them live in their favorite places - fast-moving streams and rivers! Stone flies are even happy spending some of their life under water, just like a fish! But don't worry, they also have a terrestrial stage where they get to explore the land too.

Now, just like you and me, these little adventurers need to eat. In their aquatic stage, they munch on things like algae and tiny bits of plants, but when they're all grown up, they switch to a diet of other small insects. This means they help to control the population of other bugs, making them great little helpers for humans. But it's not all about eating - stone flies have been known to play dead to avoid becoming a meal themselves!

Let's circle back to the human helper part, because stone flies are more important to us than you might think. Not only do they control other pest populations, but they also act as indicators for scientists to tell if a river or stream is clean and healthy. If there are lots of stone flies, it's a good sign that the water is clean. So, it turns out that these tiny critters play a big role in our world by helping to maintain balance in nature and keep our waters clean.



Stone Flies

Solve each problem.

Use	the article to answer the question.						
1)	1) What do stone flies do to avoid becoming a meal?						
	A. Run away	В.	Play dead				
	C. Hide	D.	Release a toxin				
2)	Why are stone flies important for scientists st	-	-				
	A. They help scientists measure the	В.	They indicate if a river or stream is				
	speed of the water	-	clean and healthy				
	C. They tell scientists the temperature of the water	D.	They tell if a river or stream has fish				
3)	Where do stone flies like to live?						
	A. Forests and trees	В.	streams and rivers				
	C. Desert and sand dunes	D.	Mountains and rocks				
4)	What do stone flies eat when they are adults?						
	A. Animal blood	В.	Small stones				
	C. Dead leaves	D.	Other small insects				
5)	What role do stone flies play for humans?						
	A. They help distribute seeds	В.	They help control the population of				
	C. They help pollinate flowers	D.	other bugs They purify water				
0							
6)	What are stone flies covered in? A. scales	D	atripas				
	C. hairs		stripes dots				
7)	What do stone flies eat when they are under w						
	A. Nuts and berries		Algae and bits of plants				
	C. Small fish and frogs	D.	Other bugs and insects				
8)	If there are lots of stone flies in a river or stre	am,	what might that indicate?				
	A. The water is warm	В.	The water is shallow				
	C. The water is clean	D.	The water is dirty				
9)	How many legs do stone flies have?						
	A. Ten legs	В.	Six legs				
	C. Four legs	D.	Eight legs				
10)	How many sets of wings do stone flies have?						
	A. Three sets of wings	В.	Two sets of wings				
	C. No wings	D.	One set of wings				
11)	What color are most stone flies?						
	A. Purple or orange	B.	Red or blue				
	C. Brown or black	D.	Green or yellow				
_							

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 1-10
 95
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 0



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

- 12) "I have no hair."
- 13) "I'm mostly a vegetarian."
- 14) "You can recognize me from my two sets of wings that I neatly fold flat over my body."
- **15)** "I love to stand out with vibrant colors!"
- 16) "Scientists don't pay any attention to me."
- 17) "I don't really care for the water. I spend most of my life on land."
- 18) "I can spend part of my life underwater, just like a fish!"
- 19) "I'm useful to humans—I eat other pests and help keep things balanced."
- 20) "I'm not a big creature, only the size of your thumb."
- 21) "I live in hot and dry places."
- 22) "I love to spend all my life underwater, just like a fish."
- 23) "My favourite snack is always algae, no matter my age."
- 24) "Unlike many other insects, I am very comfortable in fast-moving streams and rivers."
- 25) "I am a carnivore and I don't eat plants."
- 26) "During my early life, when I'm living in the water I eat plants."
- 27) "Sometimes I pretend to be dead to avoid getting eaten by predators."
- 28) "I help control the population of other insects by eating them."
- **29**) "I love to live in quiet, slow-moving waters."
- 30) "I am covered in tiny hair and have very long, thin antennae that I use to navigate."
- 31) "If you see a lot of me around, that means the water is clean."

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

- 32) Stone flies change their diet from algae and tiny plants to smaller insects as they grow up.
- **33)** The fact that stone flies play dead to avoid predators is really cool.
- **34)** Stone flies spend a part of their life under water.
- **35)** It's really cool how stone flies change their diet as they grow.
- **36)** Stone flies have long, thin antennae and two sets of wings.
- **37)** Stone flies are even cooler than butterflies because they can live in fast-moving streams.
- **38)** Stone flies sometimes play dead to escape being eaten.
- **39**) Stone flies have a preference for living in fast-moving streams and rivers.
- **40**) Stone flies are cute with their long, thin antennae.
- **41**) Stone flies are remarkable as they can live both in water and on land.

Determine if the statement is true or false.

- **42**) Stone flies have two sets of wings.
- **43**) Adult stone flies are usually the size of a dollar bill.
- **44)** When they are fully grown, stoneflies eat other small insects.

Reading

	Stone	Flies	Name:	
45)	Stone flies like to live in slow-moving creeks.			
46)	Stone flies can play dead to avoid predato	rs.		
47)	In their aquatic stage, stone flies eat only s	small insects.		
48)	Stone flies are considered pests by human	s.		
49)	If there are no stone flies in a river, it mea	ns the water is clean.		
50)	Stoneflies live in fast-moving streams and	rivers.		
51)	Stone flies can live underwater.			
Dete	ermine which choice is the expanded forn	n of the underlined contraction.		
	Stoneflies aren't pests.			
	A. can not	B. are not		
	C. will not	D. are able		
53)	They don't harm humans or plants.			
	A. do not	B. did not		
	C. does not	D. will not		
54)	Stoneflies can't live in polluted water.			
	A. can live	B. should live		
	C. will live	D. cannot		
55)	It's important to protect their habitats.			
	A. It is	B. It was		
	C. It am	D. It has		
56)	They're found in rivers and streams.			
	A. They am	B. They were		
	C. They are	D. They is		

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

- **57**) Stoneflies are a beloved food source for a variety of birds and fish, it's amazing how nature works!
- **58**) Describe what stone flies eat.
- **59)** How do stoneflies help the environment?
- 60) These insects have been around since the Paleozoic era, that's simply astonishing!
- 61) Stoneflies help keep the water clean by feeding on dead leaves and other plant materials.
- **62)** Where do stoneflies live?
- 63) Stoneflies are not harmful to humans as they do not bite or sting.
- **64**) Are stoneflies harmful to humans?
- **65**) Stoneflies live near rivers, streams, and other bodies of water.
- 66) Observe the behavior of stone flies in their natural habitat.
- 67) It's great to know that stoneflies are not harmful to us!



68) Look for stone flies when you're near rivers or streams!

		Stone Flies	Name:
1		26.	51
2.		27.	52.
3		28	53
4		29.	54
5		30.	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	66
17		42.	67
18.		43.	68.
19.		44	
20.		45.	
21.		46	
22.		47	
23.		48	
24.		49.	
25	eading	50	
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Name:

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Stone Flies

Name: Answer Key

Solve each problem.

5017	e caen problem.					
Use	the article to answer the question.					
	1) What do stone flies do to avoid becoming a meal?					
	A. Run away	В.	Play dead			
	C. Hide	D.	Release a toxin			
2)	Why are stone flies important for scientists st	•	-			
	A. They help scientists measure the speed of the water	В.	They indicate if a river or stream is clean and healthy			
	C. They tell scientists the temperature of the water	D.	They tell if a river or stream has fish			
3)	Where do stone flies like to live?					
	A. Forests and trees	В.	streams and rivers			
	C. Desert and sand dunes	D.	Mountains and rocks			
4)	What do stone flies eat when they are adults?					
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	C. Dead leaves	D.	Other small insects			
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	A. They help distribute seeds	B.	They help control the population of other bugs			
	C. They help pollinate flowers	D.	They purify water			
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	C. hairs	D.	dots			
7)	What do stone flies eat when they are under w	vate	r?			
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Dete 52)	ermine which choice is the expanded form Stoneflies <u>aren't</u> pests. A. can not		ne underlined contraction.			
	C. will not	D.	. are able			
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,	A. do not	B.	did not			
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Name: Answer Key

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			Stone Flies			Name:	Answer	Key
1.	В	26	true	51.	true	_		
2.	В	27	true	52.	В			
3.	B	28	true	53.	A			
4.	D	29	false	54.	D			
5.	В		true	55.	A	_		
6.	С	31	true	56.	С	_		
7.	В	32	fact	57.	exclamatory			
8.	С	33	opinion	58.	imperative	_		
9.	В	34	fact	59.	interrogative	_		
10.	В	35	opinion	60.	exclamatory			
11.	С	36	fact	61.	declarative			
12.	false	37	opinion	62.	interrogative	_		
13.	false	38	fact	63.	declarative	_		
14.	true	39	fact	64.	interrogative			
15.	false	40	opinion	65.	declarative			
16.	false	41	opinion	66.	imperative			
17.	false	42.	true	67.	exclamatory			
18.	true	43.	false	68.	imperative			
19.	true	44	true					
20.	true	45	false					
21.	false	46.	true					
22.	false	47	false					
23.	false	48	false					
24.	true	49	false					
25.	false	50	true					
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	Stone F	lias	Nomo				
Solv	re each problem.	nes	Name:				
	Use the article to answer the question.						
	What do stone flies do to avoid becoming a r	neal	? (paragraph 3)				
_,	A. Run away		Play dead				
	С.	D.					
2)	Why are stone flies important for scientists s	tudv	ring rivers and streams? (paragraph 4)				
_)	A. They help scientists measure the	•	They indicate if a river or stream is				
	speed of the water		clean and healthy				
	С.	D.					
3)	Where do stone flies like to live? (paragraph 2)						
	A. Forests and trees	B.	streams and rivers				
	С.	D.					
4)	What do stone flies eat when they are adults	? (para	agraph 3)				
,	A. Animal blood	B.					
	С.	D.	Other small insects				
5)	What role do stone flies play for humans? (pa	raoran	uh 3)				
2)	A. They help distribute seeds		They help control the population of				
			other bugs				
	С.	D.					
6)	What are stone flies covered in? (paragraph 1)						
·	A. scales	B.	stripes				
	C. hairs	D.					
7)	What do stone flies eat when they are under	wate	er? (paragraph 3)				
,	A. Nuts and berries		Algae and bits of plants				
	С.	D.					
8)	If there are lots of stone flies in a river or stra	eam.	what might that indicate? (paragraph 4)				
-)	A. The water is warm	В.					
	C. The water is clean	D.					
9)	How many legs do stone flies have? (paragraph 2	2)					
-)	A. Ten legs		Six legs				
	С.	D.	-				
10)	How many sets of wings do stone flies have?) (par	agraph 1)				
10)	A. Three sets of wings		Two sets of wings				
	C.	D.	-				
11\							
11)	What color are most stone flies? (paragraph 1) A.	R	Red or blue				
	C. Brown or black	D. D.					



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

12) "I have no hair." (paragraph 1)

