Argument Writing for Middle School

Life at the Zoo

UNIT 3

What policy should we follow about caring for and protecting animals?

This workbook belongs to: _____



Argument Writing for Middle School

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Argument Writing for Middle School

Tab 1 - Texts

- Zoos Take Care of Animals
- Are Zoos really good for Animals?
- Assorted Evidence Table





Zoos Take Care of Animals

by Frances Mercer

- 1 Wildlife is rapidly disappearing, mostly because of
- 2 human activity. When humans cut down forests and
- 3 build farms, highways, cities, and shopping malls,
- 4 animals lose their habitats. They are also threatened by
- 5 pollution and global warming. As the world population
- 6 grows, animal extinctions are occurring faster than at
- 7 any time in Earth's history. But there is hope. Zoos are
- 8 helping to save endangered animals and their habitats.
- 9 Zoos provide a safe environment where endangered
- animals can survive and thrive. In most zoos, animals
- live in enclosures that closely match their natural habitat.
- 12 For example, penguins at the Detroit Zoo have over
- 13 300,000 gallons of very cold water to swim in, with
- simulated waves, ice, and snow. Enclosures that match
- their natural habitats allow animals to behave as they
- would in the wild. Zoos provide for their animals'
- 17 physical needs, but they are also committed to their
- 18 emotional well-being. At the Brookfield Zoo in Chicago,
- scientists measured stress levels in leopards. High stress
- 20 is associated with problem behaviors like excessive
- 21 pacing and tail-biting. They found that stress levels
- decreased when climbing and hiding spaces were added
- 23 to the leopard enclosures. Both examples demonstrate
- 24 that zoos work to provide healthy, happy homes for
- endangered animals.
- 26 But zoos don't just take care of animals. They also help
- 27 to conserve endangered species. One important way in
- which they do this is through captive breeding. Zoos
- 29 breed healthy populations of endangered animals and
- 30 then return them to the wild. The Bronx Zoo in New
- 31 York was one of the first to do this. When the zoo
- 32 opened in 1899, it featured a small herd of American
- bison, which were nearly extinct in the wild. Between
- 34 1907 and 1913, the zoo transferred several small groups
- of bison to protected areas in the western United States.
- 36 According to the National Park Service, there are now
- more than 30,000 wild bison in North America.
- 38 The National Zoo in Washington, D. C. helps conserve
- 39 giant pandas. Pandas live in bamboo forests in China,
- and their habitats are shrinking. This makes it hard for
- 41 pandas to survive in the wild. Scientists at the National
- 42 Zoo help coordinate a successful breeding program at
- zoos and panda reserves around the world. There are
- now more than 300 pandas in captivity, and more than



- 45 half are captive-born. Bison and pandas are just two of
- 46 many species that zoos are helping to conserve through
- 47 captive breeding.
- 48 Critics claim that the money spent on captive breeding
- should instead be used to restore habitats in the wild.
- In fact, both efforts are needed and often go hand-in-
- 51 hand. Very few giant pandas have been returned to the
- wild because their habitats are so small and scattered.
- The National Zoo is working with the China Wildlife
- 54 Conservation Association to enlarge and reconnect
- panda habitats. In addition, the Memphis Zoo is helping
- to restore a large area between China's largest panda
- 57 reserve and a patch of forest where wild pandas live.
- Restoring these habitats may help more captive-born
- 59 pandas return to the wild.
- Finally, zoos educate people about endangered animals
- and inspire them to help. The penguin exhibit at the
- Detroit Zoo is designed to teach people about the effects
- of climate change. While visitors are enjoying the
- penguins, they're also learning about how their natural
- habitats are threatened by global warming. Moreover,
- seeing live animals in naturalistic settings makes people
- want to protect them. A study described in *Zoo Biology*
- surveyed people before and after visiting a zoo. Results
- 69 indicate that when visitors feel connected to a zoo
- animal, they are more likely to participate in efforts to
- save that species. This shows that zoo animals can
- 72 inspire visitors to support conservation efforts around
- 73 the world.
- 74 Zoos provide a safe haven for animals until they can be
- 75 released to suitable habitats. In an ideal world, there
- would be no need for zoos. But in a world where human
- activity threatens the survival of many species, zoos are
- a force for good. They protect and care for endangered
- animals, breed healthy populations of endangered
- species, and inspire visitors to help save wildlife and
- 81 their habitats.



Are Zoos Really Good for Animals?

by Samuel Robinson

	1	For decades,	zoos kept	animals in	small	cages.	usual
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- 2 alone and with nothing to do. In those days, animals
- 3 were easy to obtain in the wild and easy to replace when
- 4 they died. By the 1970s, however, populations in the
- 5 wild were decreasing rapidly, and zoos began to focus
- 6 on conservation. Over the years, they learned to take
- 7 better care of their animals, and cramped cages were
- 8 replaced by natural-looking habitats. On the surface,
- 9 zoos seem to be doing good work. But a closer look
- 10 reveals that zoos actually do more harm than good.
- 11 Despite living in enclosures that mimic their native
- habitats, most zoo animals can't live like they would in
- the wild. An article in *Zoo Biology* explains that gorillas
- in the wild spend their days feeding on leaves and vines.
- 15 In zoos, gorillas are fed primate biscuits, fruits and
- vegetables. These are higher in calories than what wild
- 17 gorillas eat. Moreover, because they spend less time
- 18 feeding, zoo gorillas are less active than wild gorillas,
- and many become overweight and unhealthy. There are
- other examples: lions can't hunt, bears can't hibernate,
- and eagles can't soar. Rob Laidlaw is a biologist who
- 22 monitors the care that zoos provide. He explains that
- 23 natural animal habitats are too complex for zoos to
- 24 match exactly. Both pieces of evidence suggest that zoo
- 25 life will always be different from life in the wild, often
- with negative impacts on an animal's well-being.
- 27 Some animals require more space than a zoo can
- 28 provide. According to researchers at Oxford University,
- animals that roam over a large area in the wild do not do
- well in zoos. They are more likely than non-roaming
- animals to spend a lot of time pacing, and their babies
- 32 are less likely to survive. One example is the elephant.
- Wild elephants roam as much as 30 miles a day, but
- most zoo elephants are given only a fraction of that
- space. Not surprisingly, wild elephants live longer than
- 36 elephants in zoos. A study described in the journal
- 37 Science found that the natural lifespan of elephants in the
- wild is 56 years, compared to 17 years in zoos. The
- 39 authors believe that zoo elephants die early because of
- 40 obesity and stress. Most big cats roam widely, as do
- 41 polar bears, black bears, wolves, and deer, Many animals
- in zoos require more space than the zoo can give them.
- 43 Zoo animals often suffer because of poor management
- practices. Georgia Mason is a biologist who studies the



- behavior of captive animals. She says that animals that
- are poorly managed often exhibit repetitive behaviors
- 47 that serve no purpose, such as pacing, swaying, and
- 48 head-bobbing. These behaviors, rarely seen in the wild,
- 49 indicate that the animal is being neglected or mishandled
- 50 by its keepers. The practice of transferring animals can
- also cause suffering. Animals are often transferred from
- one zoo to another for captive breeding or because a zoo
- has too many of one species. According to Laurel
- 54 Braitman, author of *Animal Madness*, being taken from
- one environment and having to adjust to a new one can
- be very stressful, especially among animals that form
- 57 close-knit groups, such as gorillas and elephants. Both of
- these examples show that poor management practices
- 59 can cause zoo animals to suffer.
- Zoos claim to be breeding endangered animals that can
- be released in the wild. However, animal researcher
- 62 Benjamin Beck reviewed 145 programs in which
- 63 captive-bred animals were released in the wild. He found
- only 16 cases that were successful. Some cases failed
- because animals were released into an unsuitable habitat.
- In others, the released animals hadn't learned essential
- 67 survival skills such as foraging and avoiding predators.
- 68 Biologist Rob Laidlaw warns that releasing zoo-bred
- animals in the wild could have disastrous results if the
- animals carry disease. He says that zoos are potential
- 71 hotbeds for disease because many animals live close
- 72 together and there are plenty of rats, mice and
- 73 cockroaches that carry diseases. Releasing zoo animals
- in the wild is not a good way to save endangered species.
- 75 Although zoo animals are displayed in natural-looking
- habitats, their lives are not natural. Many animals cannot
- 77 live like they would in the wild, and some require more
- space than a zoo can provide. Zoo animals often suffer
- 79 because of neglect or insensitive handling. Things may
- 80 look good on the surface, but zoos are actually doing
- 81 more harm than good.



Assorted Evidence

1	The Association of Zoos and Aquariums (AZA) grants membership to zoos that have high standards of animal care and are involved in conservation. Although there are nearly 3000 zoos licensed by the U.S. Department of Agriculture (USDA), only 233 are members of the AZA.	2	The American Humane Association has started a program to assess the care zoos provide. Zoos are evaluated based on standards for housing, feeding, and animal health and behavior. Zoos that display the "Humane Certified" seal provide a high standard of care.
3	Pittsburgh's National Aviary, a member of AZA, coordinates with zoos from around the world in a program to breed endangered species. Birds at the National Aviary that are part of this program include the Andean condor and the African penguin.	4	The Bronx Zoo's Congo Gorilla Forest exhibit allows zoo guests to donate their admission fees to support conservation. Visitors choose an animal in the Central African rainforest to protect. Options include elephants, okapi, mandrills, and gorillas.
5	In 2014, the Copenhagen Zoo killed a giraffe and four lions that didn't fit their breeding program. People from around the world were outraged. The AZA issued a statement that "incidents of that sort do not happen at AZA zoos." However, a survey described in <i>Zoo Biology</i> reveals that such incidents do occur in some AZA zoos.	6	According to the Humane Society, thousands of animals suffer in roadside zoos. They are often advertised along the highway offering things like elephant rides and photo sessions with exotic animals. The animals in these zoos usually live in cramped, dirty cages with inadequate food, water, and veterinary care.
7	AZA zoos use enrichment strategies to improve their animals' well-being. In the wild, animals must find their own food, water, and shelter. Zoos provide those things, so they use enrichment to encourage natural behaviors. For example, chimps at the Houston Zoo use sticks to collect food from a man-made termite mound.	8	Natural Bridge Zoo is a roadside zoo in Virginia where you can get your picture taken holding a baby tiger for \$50. An undercover investigation by the Humane Society found that some of these cubs were only four weeks old. Cubs were denied food so they would be hungry during photo shoots, and they were punched and slapped when they did not cooperate.
9	Zoo animals can be seriously injured because of unsuitable or unfamiliar enclosures. At the National Zoo, for example, an antelope, a gazelle, and a wild horse died in separate incidents when they ran into the wall of their enclosure. At the Brookfield Zoo in Chicago, a giraffe died when he got tangled in a pulley system.	10	Tamarin monkeys at the National Zoo have a forest area where they learn to move through trees and find food and water. This training helps the monkeys develop survival skills before they return to the wild. The National Primate Research Center notes that almost half of tamarins currently living in the wild are zoo-born monkeys and their offspring.
11	The Elephant Sanctuary in Tennessee is not a zoo. It is a haven for elephants retired from zoos and circuses. The sanctuary provides 2700 acres where elephants can roam freely and exercise their true nature. It is not open to the public, but visitors can observe via streaming video at www.elephants.com.	12	Zoos are subject to USDA inspections but, according to science writer Brian Palmer, there are only 114 inspectors for nearly 3000 zoos. Moreover, the USDA rules about animal exhibits are not strict. For example, enclosures are only required to be large enough for the animal to stand up and turn around.
13	The International Union for Conservation of Nature keeps lists of threatened and endangered species. Its <i>Extinct in the Wild</i> list currently has 33 animal species, including the Pinzon Giant Tortoise. If zoos don't help these animals survive and reproduce, their species will be gone forever.	14	The Center for Great Apes is not a zoo. It is a sanctuary for chimpanzees and orangutans retired from research labs and the entertainment industry. Located in a tropical forest in Florida, the Center provides 100 acres of space for the apes to run, climb, and swing through their environment.





Argument Writing for Middle School

Tab 2 - Worksheets

- Lesson 1 Quickwrite
- Lesson 2 Quickwrite
- Lesson 4 Quickwrite
- Lesson 5 Quickwrite
- Lesson 6 Making Connections
- Lesson 10 Compare Examples





Quickwrite!

In response to "Zoos Take Care of Animals"

Explain	why or why not.	
-		





Quickwrite!

In response to both texts

n





Name	
------	--

Quickwrite!

In response to both texts

What is the most convincing reason each of these authors gave? In your own words, briefly describe each reason and evidence the author provided to support it.

Zoos Take Care of Animals by Frances Mercer

Are Zoos Really Good for Animals? by Samuel Robinson

Most convincing reason:	Most convincing reason:
Evidence for that reason:	Evidence for that reason:





Quickwrite!

or what was not conv	ne texts that did not conv vincing and explain why	•



	Lesson 6
	Making Connections
r each paragraph, write a	sentence that explains how the evidence connects to the reason.
handle them right. Biologis	r management practices, which means the keepers neglect animals or don't t Georgia Mason found that zoo animals often pace around, sway their s. These behaviors are rarely seen in the wild.
a program that grades zoo	me zoos take better care of animals than others. The Humane Society has os based on how well they take care of their animals. Zoos that provide mane Certified" seal of approval.



Compare Examples

Circle or highlight the best paraphrase in each pair.

Assorted Evidence #7

AZA zoos use enrichment strategies to improve their animals' well-being. In the wild, animals must find their own food, water, and shelter. Zoos provide those things, so they use enrichment to encourage natural behaviors. For example, chimps at the Houston Zoo use sticks to collect food from a man-made termite mound.

Enrichment is a strategy zoos use to improve animals' well-being. Zoos provide animals with food and shelter, so they use enrichment to encourage natural behaviors.

Some zoos try to provide conditions that are more natural. For example, the Houston Zoo gives their chimps sticks so that they can collect their own food from a termite mound.

Assorted Evidence #4

The Bronx Zoo's Congo Gorilla Forest exhibit allows zoo guests to donate their admission fees to support conservation. Visitors choose an animal in the Central African rainforest to protect. Options include elephants, okapi, mandrills, and gorillas.

The Bronx Zoo allows visitors to donate their admission fees to help protect animals in the rainforest.

The Bronx Zoo's Congo Gorilla Forest Exhibit allows visitors to donate their admission fees to support conservation. Visitors can choose animals such as elephants or gorillas.

CON Text, Lines 61-67

Animal researcher Benjamin Beck reviewed 145 programs in which captive-bred animals were released in the wild. He found only 16 cases that were successful. Some cases failed because animals were released into an unsuitable habitat. In others, the released animals hadn't learned essential survival skills such as foraging and avoiding predators.

According to animal researcher Benjamin Beck, releasing zoo animals in the wild is rarely successful. In many cases, the released animals died because they didn't know how to find food or avoid predators.

Benjamin Beck studied programs in which captive-bred animals were released in the wild. He found that only 16 out of 145 cases were successful.





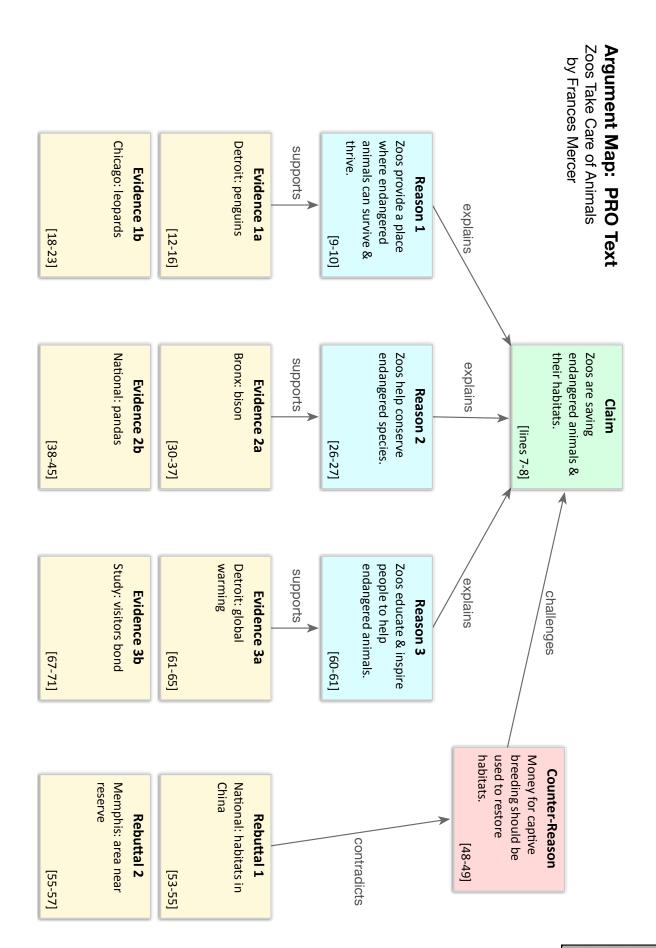
Argument Writing for Middle School

Tab 3 - Argument Maps

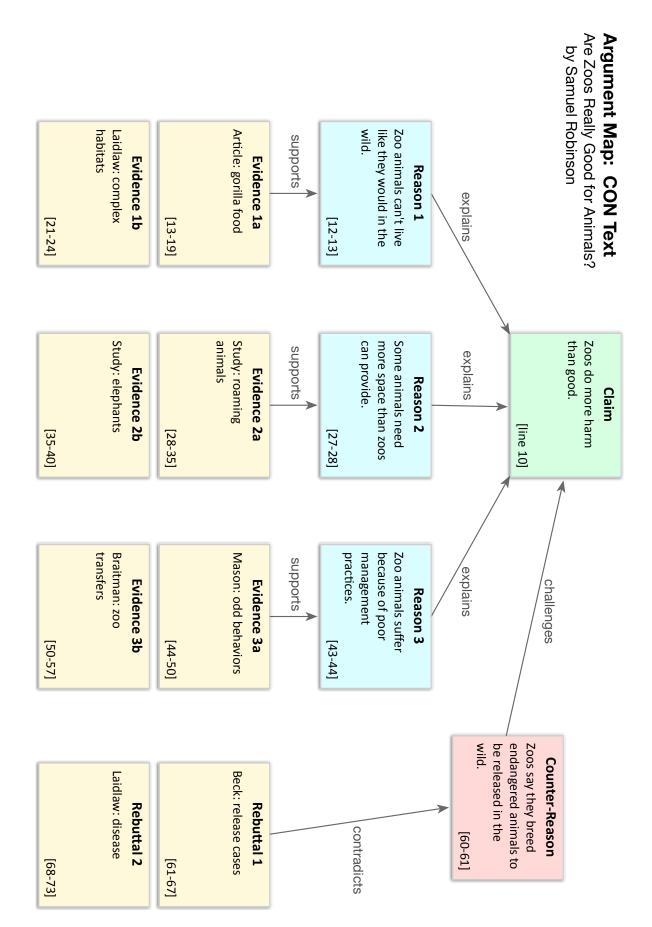
- Map of PRO text:
 Zoos Take Care of Animals
- Map of CON text:
 Are Zoos really good for Animals?











Argument Writing for Middle School

Tab 4 – Planning your essay

- Essay Criteria
- Outline Template
- Peer Feedback 1
- Peer Feedback 2





Life at the Zoo Extended Writing Task: Argument Essay

Essay prompt:

What policy should we follow about caring for and protecting animals?

Your score will be based on the following criteria:

Claim Your Claim is Clearly stated and it responds to the

prompt

Reasons You include three different reasons why you believe

your Claim

Each reason is supported by at least one piece of

evidence

CR/Rebuttal

You include a counter-reason that goes against your Claim and a reputtal that shows that the C-R is false

Conclusion Your essay ends with a conclusion that connects

back to the claim

Signal Words You use signal words to help readers follow the logic

of your argument

Organization Your essay has paragraphs that organize your

argument

Bonus points will be awarded for:

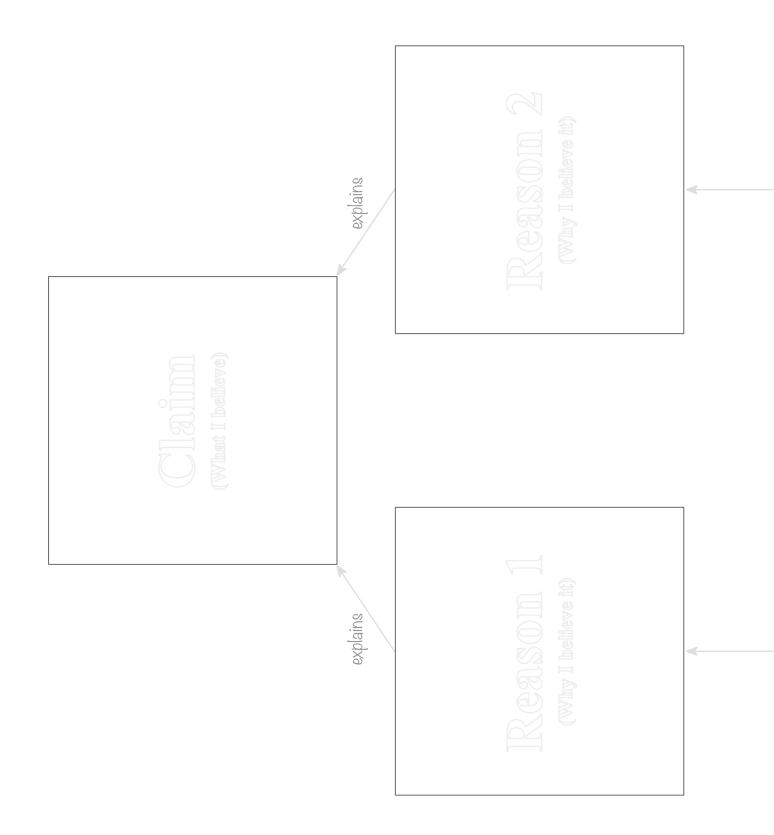
- originality of ideas



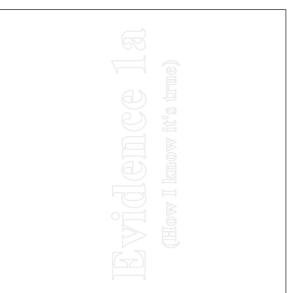


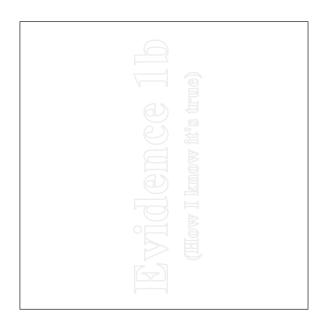
Outline Map on Back --->











← Outline Map on Front

Coumter-Reason

(A reason that goes against my argument)

challenges claim

goes against

IRebuttal a
(How I know it's false)

Rebuttal b
(How I know it's false)





explains claim

Reason 3
(Why I believe it)

supports

Evidence 3a

Evidence 3b

(How I know it's true)





PEER FEEDBACK I

- · Read the author's claim and provide feedback by writing comments that answer the questions below.
- · Write your comments on a post-it and place it on the author's outline near the claim.
- · Add your initials to the post-it so your partner will remember who wrote it.
- · Honest feedback can help your partner improve their essay.

Essay prompt: What policy should we follow about caring for and protecting animals?

Question I — Do you understand exactly what the claim is saying?		
If your answer is:	You could write something like:	
yes	Your claim is clear.	
kind of	Try to make your claim a little clearer.	
no	l don't understand your claim.	
Question 2 — Does the claim address the prompt?		
If your answer is:	You could write something like:	
yes	Addresses prompt.	
no	Does not address prompt.	
Question 3 – Can the claim be supported by text evidence?		
If your answer is:	You could write something like:	
yes	Easy to support.	
kind of	Might be hard to support.	
no	Will probably be hard to support.	





PEER FEEDBACK 2

- · Examine the author's outline and write comments that answer the questions below.
- · Write your comments and your initials on post-its and place them on the author's outline.
- · Honest feedback can help your partner improve their essay.

Essay prompt: What policy should we follow about caring for and protecting animals?

Question I — Is there a clearly stated claim that addresses the prompt?		
If your answer is:	You could write something like:	
yes	Your claim is clear and it addresses the prompt.	
no	Try to make your claim clearer; Your claim does not address the prompt.	
Question 2 – Are there three different reasons that clearly explain why the author believes the claim?		
yes	Your reasons explain your claim.	
no	Missing a reason; This reason isn't clear; This reason doesn't explain your claim.	
Question 3 – Is there at least one piece of text evidence to support each reason?		
yes	You have text evidence to support each reason.	
no	Missing text evidence for this reason; This evidence isn't clear; This isn't text evidence.	
Question 4 — Is there a counter-reason that goes against the claim?		
yes	You have a counter-reason that goes against your claim.	
no	Missing a counter-reason; Your counter-reason doesn't really go against your claim.	
Question 5 — Is there a rebuttal that shows the counter-reason is false?		
yes	Your rebuttal shows your counter-reason is false.	
no	Missing a rebuttal; Your rebuttal doesn't really show your counter-reason is false.	





Triple Q

Argument Writing for Middle School

Tab 5 – Writing your essay

- Teacher's Model Draft
- Self Checklist
- Draft paper
- Sample Marked Essay
- Scoring Rubric
- Final essay paper





Teacher's Model Draft

One	e reason animals should not be kept in zoos is because even the best
zoos cannot	adequately care for some animals. For example, zoos can only
provide a fra	action of the space elephants use in the wild. A study described in
"Science" fou	und that zoo elephants die young, probably due to stress and obesity.
Similarly, a "	Zoo Biology" article says that zoo gorillas have a less healthy diet
and get less	exercise than they would in the wild. These are two examples of how
even good zo	oos cannot always provide their animals with good care.
200	os claim to be saving endangered species through captive breeding
and release.	However, in her book "Animal Madness," Laurel Braitman says that
zoo transfers	s for captive breeding can be very stressful for animals that have to
move. Furthe	ermore, biologist Rob Laidlaw points out that releasing zoo animals
risks spreadi	ing diseases that could wipe out populations in the wild. Both
rebuttals shou	w that zoos are harming rather than saving endangered animals.

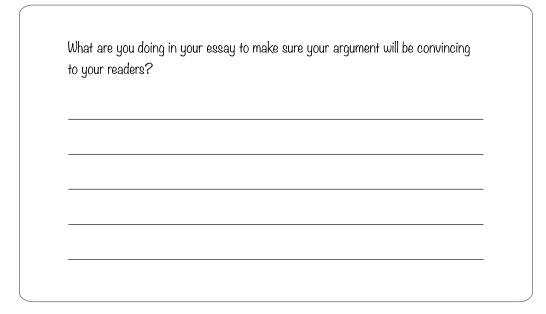




SELF CHECKLIST

Author____

CLAIM	COUNTER-REASON
(yes) (no) Do you state a claim?	(ves) (no) Do you have a counter-reason that goes against your claim?
(yes) (no) ls it clear?	(yes) (no) Is it clear?
(ves) (no) Does your claim respond to the writing prompt?	REBUTTAL
REASONS	(yes) (no) Do you have a rebuttal?
(yes) (no) Do you have three reasons?	(ves) (no) Are your sources given?
(yes) (no) Do they explain why you believe the claim?	(ves) (no) Do you explain how your rebuttal shows the counter-reason is false?
(yes) (no) Are your reasons different from each other?	CONCLUSION
EVIDENCE	(yes) (no) Do you have a conclusion?
(yes) (no) Do you support each reason with text evidence?	(yes) (no) Does it connect back to the claim?
(ves) (no) Are your sources given?	LANGUAGE & ORGANIZATION
(yes) (no) Do you have different evidence for different reasons?	(yes) (no) Do you use signal words to help readers follow your argument?
(yes) (no) Do you explain how your evidence supports its reason?	(ves) (no) Do you use paragraphs to organize your argument?















Sample Marked Essay

C	Zoos should continue their efforts to care for and protect animals.
	One reason is because Pittsburgh's National Aviary works with zoos to breed
Ela	endangered birds like the Andean condor. Another reason is because zoos
R2	make visitors want to help endangered species. At the Bronx Zoo, people can
E2a	donate their ticket fee to protect animals in the Central African rainforest.
R3	A third reason is that zoos are restoring habitats in the wild. The Memphis Zoo
E3a	is helping to restore a habitat for giant pandas near a panda reserve in China.
E3b	In addition, zoos use enrichment to teach behaviors animals need in the wild.
	Both pieces of evidence show that zoos are helping animals return to the wild.
C-R	Critics claim that zoo animals can't live like they do in the wild.
•	However penguins at the Detroit Zoo have tons of water to swim in, and ice and
TripleQ (2020) Pennsylvania State University	snow to slide on. This shows that zoos provide habitats where animals can live
University of Pittsburgh	naturally. In conclusion, zoos should continue their excellent work.



Argument Essay Scoring Rubric – Unit 3

Claim		
2	Your claim is clearly stated and it answers the writing prompt.	
1	Your claim addresses the topic, but it is not clear or it does not answer the prompt.	
	Reasons	
2	You include three different reasons that explain why you believe your claim.	
1	You have only one or two reasons, or your reasons are very similar or do not connect to your claim.	
	Evidence	
2	For each reason, you include at least one piece of evidence that clearly supports the reason.	
1	You support one but not all of your reasons with text evidence, or your evidence does not clearly support a reason.	
	Sources	
2	You provide complete and accurate sources for all or most of your evidence.	
1	You provide sources, but most of your sources are vague, incomplete or inaccurate.	
	Connections	
2	You include sentences that explain how evidence connects to a reason or how a reason connects to your claim.	
1	You try to explain connections, but your explanations are vague, unclear, or inaccurate.	
Counter-Reason & Rebuttal		
2	You include a counter-reason that goes against your claim and a rebuttal that goes against the counter-reason.	
1	You include a counter-reason and rebuttal, but your rebuttal supports the counter-reason rather than arguing against it.	
	Conclusion	
2	Your essay ends with a conclusion that connects back to your claim.	
1	Your essay ends with a conclusion, but it is unclear or simply restates your claim.	
	Signal Words	
2	You use signal words to help readers follow the logic of your argument.	
1	You include signal words, but you use them incorrectly.	
Organization		
2	Your essay is divided into paragraphs, and each paragraph has just one big idea.	
1	Your essay is divided into paragraphs, but you have a paragraph with multiple reasons or a reason and counter-reason.	
Originality of Ideas (bonus)		
2	Your argument is different from the unit texts. Your reasons might be original, or you might use evidence in an original	
	way.	
1	Part of your argument is original, but one or more segments are very similar to a unit text.	





Name	





Name	_



