

RESEARCH TIPS and TRICKS

How can you identify a reliable source?
How do you cite your research in the correct format?

GOOD LUCK!

Environmental Issues

Water and Agriculture - Deforestation - Energy Issues
Pollution - Global Warming - Land Degradation - Loss of Biodiversity - Ozone Depletion - Population Growth - Sustainable Development - Urbanization - Water Scarcity
Global Warming - Deforestation - Energy Issues
Pollution - Global Warming - Land Degradation - Loss of Biodiversity - Ozone Depletion - Population Growth - Sustainable Development - Urbanization - Water Scarcity

Effects Continued...

Water and Agriculture - Deforestation - Energy Issues
Pollution - Global Warming - Land Degradation - Loss of Biodiversity - Ozone Depletion - Population Growth - Sustainable Development - Urbanization - Water Scarcity
Global Warming - Deforestation - Energy Issues
Pollution - Global Warming - Land Degradation - Loss of Biodiversity - Ozone Depletion - Population Growth - Sustainable Development - Urbanization - Water Scarcity

Environmental Effects

Water and Agriculture - Deforestation - Energy Issues
Pollution - Global Warming - Land Degradation - Loss of Biodiversity - Ozone Depletion - Population Growth - Sustainable Development - Urbanization - Water Scarcity
Global Warming - Deforestation - Energy Issues
Pollution - Global Warming - Land Degradation - Loss of Biodiversity - Ozone Depletion - Population Growth - Sustainable Development - Urbanization - Water Scarcity

How can you identify a reliable source?
How do you cite your research in the correct format?

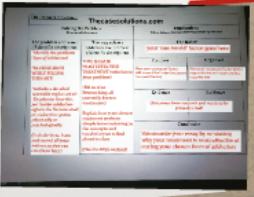
Addiction



PRO TIP: ALWAYS FOLLOW THE CRITERIA:
7-8 The student is able to:
1. describe the ways in which science is applied and used to address a specific problem or issue
2. assess and analyze the implications of using science and its application to solve a specific problem or issue, including using a factor
3. consistently apply scientific language to communicate understanding clearly and precisely
4. document sources completely.

Problem/Solution Essay Basics

What's a Problem/Solution Essay?
Thecasesolutions.com



THECASESOLUTIONS.COM
IMPROVE Your essay skills inside a paragraph!

Paragraph 1
The first paragraph of an essay is the most important. It sets the tone for the rest of the piece and introduces the main topic. It should be clear, concise, and engaging.

Paragraph 2
The second paragraph of an essay should provide a clear and concise overview of the main topic. It should be well-organized and easy to read.

Paragraph 3
The third paragraph of an essay should provide a clear and concise overview of the main topic. It should be well-organized and easy to read.

Reliable Equipment Ltd.: The Popcorn Predicament

ASSESSMENT

RESEARCH TIPS and TRICKS
 How can you identify a reliable source?
 How do you cite your research in the correct format?

GOOD LUCK!

Remember to check your work carefully!
 Double-check your spelling and grammar!
 Make sure you have included all the information you need!
 Check your work against the marking criteria!

Environmental Issues:
 Global warming - the increase in the average temperature of the Earth's atmosphere and oceans over time.
 Air pollution - the presence of harmful substances in the air.
 Deforestation - the removal of trees and other vegetation.
 Loss of biodiversity - the decline in the number of different species of plants and animals.
 Acid rain - precipitation that is acidic due to pollutants in the atmosphere.
 Ozone depletion - the thinning of the ozone layer in the stratosphere.

Environmental Effects:
 Global warming - melting glaciers, rising sea levels, more frequent and severe weather events.
 Air pollution - respiratory problems, acid rain, smog.
 Deforestation - loss of habitat, soil erosion, increased carbon dioxide levels.
 Loss of biodiversity - extinction of species, disruption of ecosystems.
 Acid rain - damage to buildings, forests, and aquatic life.
 Ozone depletion - increased UV radiation, skin cancer, cataracts.

Effects Continued...
 Global warming - coral bleaching, desertification, more frequent droughts.
 Air pollution - global dimming, climate change.
 Deforestation - increased risk of natural disasters, loss of carbon sinks.
 Loss of biodiversity - reduced resilience of ecosystems, loss of genetic diversity.
 Acid rain - acidification of lakes and streams, damage to infrastructure.
 Ozone depletion - increased risk of skin cancer, cataracts, and immune system damage.

Problem/Solution Essay Basics
 Thecasesolutions.com

THECASESOLUTIONS.COM
 Your essay should include a...
 Introduction
 Main body
 Conclusion

Paragraph 1
 This paragraph should...
 Introduce the topic
 State your thesis

Paragraph 2
 This paragraph should...
 Present your first point
 Support it with evidence

Paragraph 3
 This paragraph should...
 Present your second point
 Support it with evidence



PRO TIP: ALWAYS FOLLOW THE CRITERIA!
 7-8 The student is able to:
 1. describe the ways in which science is applied and used to address a specific problem or issue
 2. discuss and analyse the implications of using science and its application to solve a specific problem or issue, including using a factor
 3. consistently apply scientific language to communicate understanding clearly and precisely
 4. document sources completely.

Reliable Equipment Ltd.: The Popcorn Predicament

ASSESSMENT



**Addiction... It can happen to... ANYONE...
ANYWHERE!**

it is your mission,

to identify and explain a specific form of addiction, and

SAVE THE WORLD

**by researching the most effective current treatment for your chosen
type of addiction... and destroy it,
before it's too late**

Thecasesolutions.com

Problem/Solution Essay Basics

What's a Problem/Solution Essay?

Thecasesolutions.com

When there's a problem, there is usually a corresponding solution, and even when there's not a clear solution, there are generally people arguing over which solution is best



Thecasesolutions.com

The Impacts of Science:		Thecasesolutions.com	
Solving the Problem Give a detailed account		Implications Offer a balanced review clearly supported by evidence	
The problem addressed (Scientific description) *identify the problem (<i>type of addiction</i>) *DO RESEARCH WHILE FILLING THIS OUT! *include a detailed scientific explanation! <i>-Emphasize how this particular addiction affects the Nervous and/or endocrine system physically or psychologically</i> (Include Stats, Data and record all your sources so you can cite them later)	The way science addresses the problem (Scientific description) THIS IS YOUR MOST EFFECTIVE TREATMENT (solution to your problem) (Fill in after Researching all currently known treatments) Explain how your chosen treatment works in simple terms referring to the concepts and vocabulary we talked about in class (Use the KISS method)	The factor your 'one world' factor goes h	
		Positives How your treatment/factor will impact the factor/treatment in a positive way	Negative How your treatment impact the factor/treatment in a negative way
Evidence this comes from research and needs to be properly cited!		Evidence	
Conclusion Summarize your essay by re-stating why your treatment is most effective and curing your chosen form of addiction			

What's a Problem/Solution Essay?

Thecasesolutions.com

When there's a problem, there is usually a corresponding solution, and even when there's not a clear solution, there are generally people arguing over which solution is best

problem: I'm running out of rope

solution: ?





FIRST STEP:

**Organize your thoughts
with PRE-Writing!**

Thecasesolutions.com

The Impacts of Science:

Thecasesolutions.com

Solving the Problem

Give a detailed account

Implications

Offer a balanced review clearly supported by evidence

The problem addressed
(Scientific description)

***identify the problem**
(*type of addiction*)

***DO RESEARCH**
WHILE FILLING
THIS OUT!

***include a detailed**
scientific explanation!
-Emphasize how this
particular addiction
affects the Nervous and/
or endocrine system
physically or
psychologically

(Include Stats, Data
and record all your
sources so you can
cite them later)

The way science
addresses the problem
(Scientific description)

THIS IS YOUR
MOST EFFECTIVE
TREATMENT (solution to
your problem)

(Fill in after
Researching all
currently known
treatments)

Explain how your chosen
treatment works in
simple terms referring to
the concepts and
vocabulary we talked
about in class

(Use the KISS method)

The factor

your 'one world' factor goes here

Positives

How your treatment/factor
will impact the factor/treatment
in a positive way

Negatives

How your treatment/factor might
impact the factor/treatment in a
negative way

Evidence

**this comes from research and needs to be
properly cited!**

Evidence

Conclusion

Summarize your essay by re-stating
why your treatment is most effective at
curing your chosen form of addiction

Thecasesolutions.com

IMPORTANT:

Your essay should include a minimum of 4 paragraphs!

Paragraph 1

- Choose a type of addiction to investigate:
for ideas--- <http://addictions.about.com/>
- Explain what population it primarily affects,
 - Who's most at risk?
- discuss it's symptoms/warning signs
- talk about the dangers/risk factors
- **Explain how the brain is physically or psychologically altered in people with this addiction**
- Discuss how serious the problem is
 - how many people die/go to jail/ruin their lives as a result of this addiction?
- introduce your number one treatment which will be the focus of the rest of your essay

Paragraph 2

Thecasesolutions.com

- This is the MAIN BODY of your Essay.
- This is where you use the results of your research to **DESCRIBE THE MOST EFFECTIVE TREATMENT!**
- Make logical arguments that are backed with **scientific evidence** from **RELIABLE SOURCES!**
 - **Always cite those sources!**
- **Explain how the treatment works** *with reference to the way the nervous system/endocrine system function*
 - *(in simple terms please!)*
- **Describe any side effects of the treatment**
- **discuss how effective this treatment is**
- **how many people currently benefit from this treatment?**
- **why is this treatment sometimes ineffective in certain cases?**