

Science News Reports

Science articles can be found in all major newspapers (ex New York Times, International Herald Tribune, The Bangkok Post, etc.) as well as Internet sites associated with newspapers (ex. www.nytimes.com) and also other science sites (ex. www.nationalgeographic.com). For this assignment you will be reading a news article related to our topic and concepts then summarizing the article and responding to how this impacts the world around us.

Do not worry if this assignment is difficult at first. This is a school year long assignment, soon you will find yourself a good science writer. Always try and do your best work, but do not spend more than 1 hour total!

Part 1: Read for Understanding

When you read the article, you should read it once quickly and use a highlighter to mark words you do not know.

Read a second time and see if you can figure out what the words mean.

Pre-Read

- read the article quickly and highlight words you do not know
- read the article again and see if you can figure out any of the words

Comprehension

- use a dictionary to look up any words you do not yet know
- the dictionary on your computer is really quick, or you can try to use a translating dictionary

Understanding

- read your article again to understand what it is talking about
- on the back of the article outline the 2-3 main ideas of the article

Part 2: Paragraph Summary of How Science is Applied to Solve a Problem

In this paragraph you will restate in your own words the information presented in the article, using proper paragraph form.

All Paragraphs Include:

- Introduction Sentence
- Main Points
- Conclusion Sentence

Introduction Sentence

- tells the main topic or idea of the whole article
- (not just telling me the title of the article!)

Main Points

- 2 or 3 main ideas from the article, with supporting facts
- not just retelling the details!

Conclusion Sentence

- retells the main points without the facts and concludes the paragraph

Part 3: Paragraph in Response to Implications

In this paragraph you will write one paragraph to describe the implications of the scientific developments you read about in your news article.

Make sure to discuss how the science or technology applied interacts with one of these factors:

- **moral**
- **ethical**
- **social**
- **environmental**
- **political**
- **cultural**
- **economic**



Part 4: New Vocabulary

Select 3 words in your article you did not know. Look up these words and write their definitions, then use them in a new sentence of your own, not the one from the dictionary.

Definitions - find the definitions in the dictionary

New sentences - use the words in a new sentence to show that you understand (not a sentence from the dictionary!)

MYP 1: CRITERION D

Evaluation Items	Descriptors							
The science being applied in the article is...	stated w/ limited success		stated		outlined		summarized	
The problem or issue in the world that is being solved is...	stated w/ limited success		stated		outlined		summarized	
Implication of using science to solve the problem is, interacting with a factor...	stated w/ limited success		stated		outlined		described & summarized	
Factor included in the essay is...	Moral		Economic		Social		Cultural	
	Ethical		Environmenta l		Political		No Factor	
Use of scientific language* in your paragraphs is...	with limited success		sometimes applied		usually clear & precise		consistent clear & precise	

* You should use the three vocabulary words in your paragraph, along with other science terms from the article.

Level	MYP Descriptor
0	The student does not reach a standard described by any of the descriptors below.
1-2	The student is able to, with limited success : i. state the ways in which science is used to address a specific problem or issue ii. state the implications of using science to solve a specific problem or issue, interacting with a factor iii. apply scientific language to communicate understanding
3-4	The student is able to: i. state the ways in which science is used to address a specific problem or issue ii. state the implications of using science to solve a specific problem or issue, interacting with a factor iii. sometimes apply scientific language to communicate understanding
5-6	The student is able to: i. outline the ways in which science is used to address a specific problem or issue ii. outline the implications of using science to solve a specific problem or issue, interacting with a factor iii. usually apply scientific language to communicate understanding clearly and precisely
7-8	The student is able to: i. summarize the ways in which science is applied and used to address a specific problem or issue ii. describe and summarize the implications of using science and its application to solve a specific problem or issue, interacting with a factor iii. consistently apply scientific language to communicate understanding clearly and precisely

apply	use knowledge and understanding in response to a given situation or real circumstances
describe	give a detailed account or picture of a situation, event, pattern or process
outline	give a brief account
state	give a specific name, value or other brief answer without explanation or calculation
summarize	abstract a general theme or major point(s)

MYP 2-3: CRITERION D

Evaluation Items	Descriptors							
The science being applied in the article is...	stated		outlined		summarized		described	
The problem or issue in the world that is being solved is...	stated		outlined		summarized		described	
Implication of using science to solve the problem is, interacting with a factor...	stated		outlined		described		discussed & analyzed	
Factor included in the essay is...	Moral		Economic		Social		Cultural	
	Ethical		Environmental		Political		No Factor	
Use of scientific language* in your paragraphs is...	with limited success		sometimes applied		usually clear & precise		consistent clear & precise	

* You should use the three vocabulary words in your paragraph, along with other science terms from the article.

Level	MYP Descriptor
0	The student does not reach a standard described by any of the descriptors below.
1-2	The student is able to: i. state the ways in which science is used to address a specific problem or issue ii. state the implications of the use of science to solve a specific problem or issue, interacting with a factor iii. apply scientific language to communicate understanding but does so with limited success
3-4	The student is able to: i. outline the ways in which science is used to address a specific problem or issue ii. outline the implications of using science to solve a specific problem or issue, interacting with a factor iii. sometimes apply scientific language to communicate understanding
5-6	The student is able to: i. summarize the ways in which science is applied and used to address a specific problem or issue ii. describe the implications of using science and its application to solve a specific problem or issue, interacting with a factor iii. usually apply scientific language to communicate understanding clearly and precisely
7-8	The student is able to: i. describe the ways in which science is applied and used to address a specific problem or issue ii. discuss and analyze the implications of using science and its application to solve a specific problem or issue, interacting with a factor iii. consistently apply scientific language to communicate understanding clearly and precisely

analyze	break down in order to bring out the essential elements or structure; to identify parts and relationships, and to interpret information to reach conclusions
apply	use knowledge and understanding in response to a given situation or real circumstances
describe	give a detailed account or picture of a situation, event, pattern or process
discuss	offer a considered and balanced review that includes a range of arguments, factors or hypotheses; opinions or conclusions should be presented clearly and supported by appropriate evidence
outline	give a brief account
state	give a specific name, value or other brief answer without explanation or calculation
summarize	abstract a general theme or major point(s)