How to summarize an article

The most important thing in writing an article summary is deciding what information or examples from the article to include. Remember, article summaries are much shorter than the article itself. You do not have to explain every point the author makes. Instead, you will need to explain the author's main points and find a few excellent examples that illustrate these points.

Bear in mind that article summaries need to be written in your own words. Keep the terminology but avoid copying sentences or phrases from the article.

Steps to summarize an article

1 Read the article several times to be sure you understand it.

2 Highlight or underline the main idea.

3 Find the most important details that support the main ideas.

4 Put the original out of sight when you write your paraphrase so you're not tempted to copy it directly.

5 Make notes in which you will rephrase the main points into your own sentences, but remember to reflect the purpose and message of the original.

6 Start writing your summary

Differential equations serve as fundamental mathematical tools for describing various phenomena across natural and social sciences. They relate unknown functions to their derivatives, capturing how rates of change depend on the quantity itself or related quantities. Widely applied in physics, engineering, biology, and economics, they model dynamic systems' behaviors, such as motion, circuit dynamics, population dynamics, and economic trends.

In physics, differential equations describe object motion and system behaviors under various forces or constraints, aiding in predicting outcomes and designing systems. Engineering relies on them for optimizing designs, controlling systems, and analyzing complex interactions in fields like telecommunications and automotive engineering.

In biology, differential equations model population growth, disease spread, and ecosystem dynamics, providing insights into complex ecological systems and evolutionary processes. Similarly,

Moreover, differential equations contribute significantly to technological advancements. They enable simulations in computer graphics, modeling light To , and play a crucial role in cryptography for secure communication over networks.

- **Introduction:** In your own words say why the topic of the article is important, what is special about it
- **Second paragraph:** State the main idea of the article
- **Third paragraph:** Support the main idea with more details or examples from the article
- **Conclusion:** Sum up the most important information from your summary and its implications

7 Check the summary against the article to make sure:

- You've accurately represented the author's work
- You haven't missed any essential information
- The phrasing is not too similar to any sentences in the original.

Word range: 200-250 words

Maximum points: 20

Websites you can use (not limited to):

http://arxiv.org/

Google Scholar

Project Euclid

AMA Open Maths Notes

EuDML

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