

Question 1 (6 marks)

Question 1a (2 marks)

**State two** physical processes that may impact rivers or coasts.

**B** *I* ← → U  $x_2$   $x^e$     $\Omega$   $\Sigma$  Styles 





Question 1b (4 marks)

**Explain** how **one** physical process in rivers or coasts can threaten communities.

Rich text editor toolbar with icons for Bold (B), Italic (I), Undo, Redo, Underline (U), Subscript (x<sub>2</sub>), Superscript (x<sup>2</sup>), Bulleted List, Numbered List, Omega (Ω), and Sum (Σ). A dropdown menu labeled "Styles" and a mobile device icon are also present. A tooltip labeled "Wiris Editor" is visible below the toolbar.





**Question 2** (8 marks)



The people of Cambodia are growing increasingly concerned about the health of the Mekong River. The level of water in the Mekong River in Cambodia is decreasing every year. The water is becoming more polluted which is causing fish stocks to decline. By the time the Mekong River reaches Cambodia, it has completed most of its journey through its catchment area. There is little the Cambodian government can do to improve water quality and quantity.

Look at the infographic below and answer the question that follows.  
Click on the pin for further information about Stung Treng.

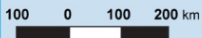
**This media is interactive**





- Laos has built over 60 dams on the Mekong River. They plan to build many more to generate electricity and sell it to neighbouring countries.
- 60 million people across 6 countries rely on the Mekong River for their livelihoods.
- The river level has dropped to its lowest in 100 years.
- The lack of water has led to fewer fish and more algae.
- Farmers in Cambodia experience big changes in river flow as Laos stores and releases water from its dams.

Scroll down to continue

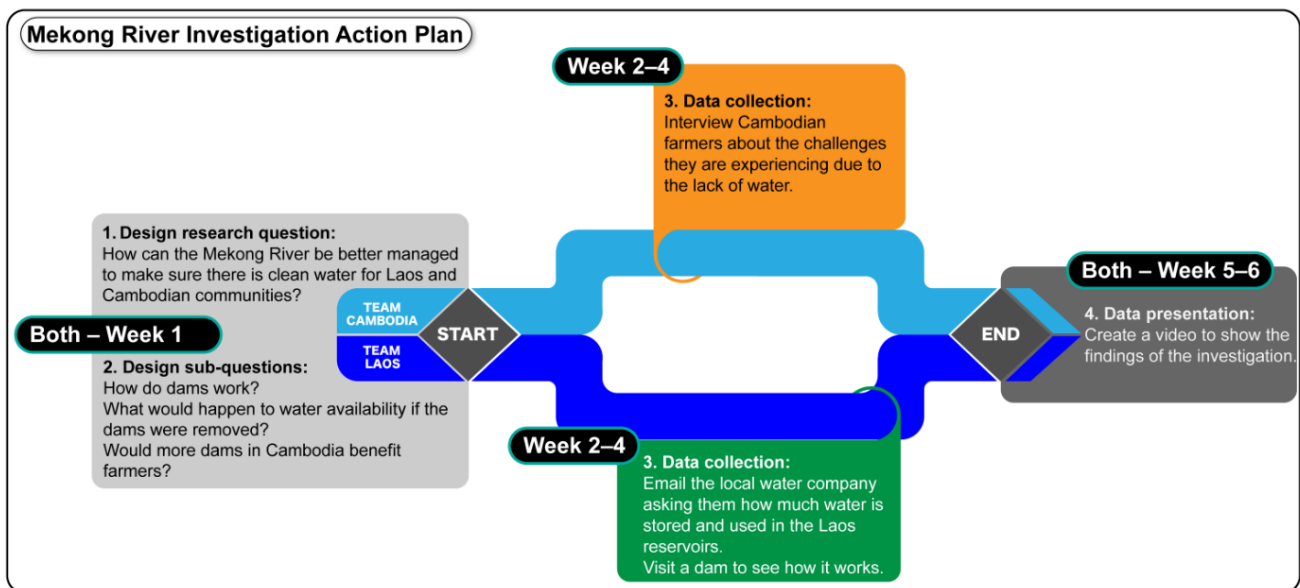


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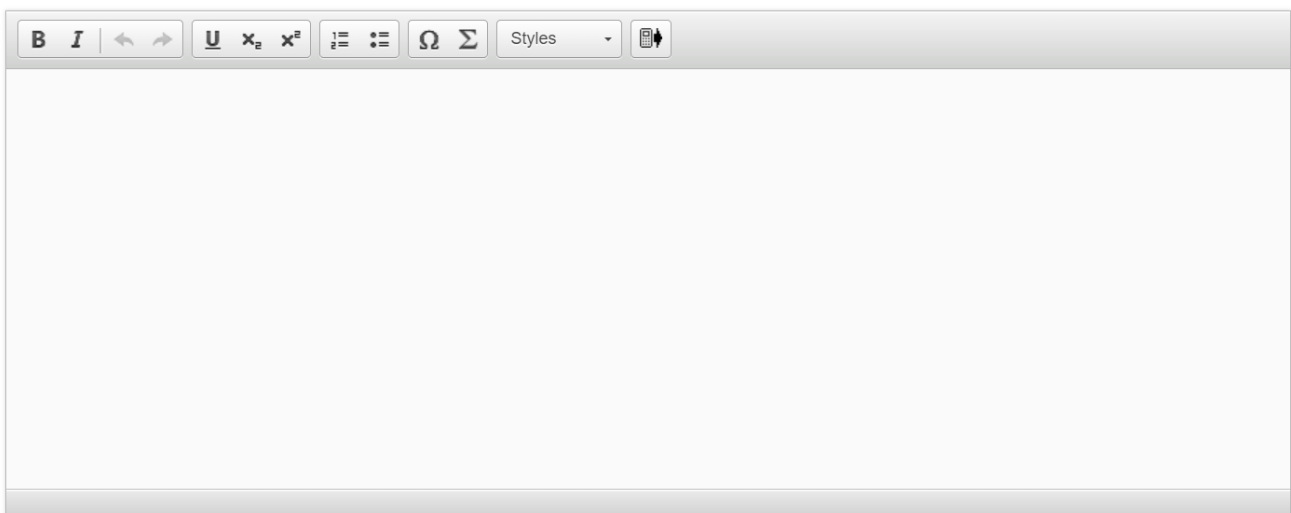
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MYP5 students from Pakse in Laos, and Stung Treng in Cambodia (shown on the infographic) are working together to investigate management strategies in the Mekong River. The students met online and designed the action plan below for their investigation. You will be asked to evaluate this action plan.



**Evaluate** the students' action plan.



A rich text editor toolbar with the following icons from left to right: Bold (B), Italic (I), Undo (left arrow), Redo (right arrow), Underline (U), Subscript (x<sub>2</sub>), Superscript (x<sup>2</sup>), Bulleted List (three horizontal lines with a dot), Numbered List (three horizontal lines with numbers), Omega (Ω), Sigma (Σ), a dropdown menu labeled "Styles", and a mobile device icon.



### Question 3 (12 marks)



The local government of a river or coastal area wants to investigate ways to better protect the environment and the community. You must choose a location and design an action plan to investigate sustainable management solutions for the local government.

The statement of inquiry is:

Sustainable management of rivers and coastal environments can protect communities and the environment.

You must **not** repeat information from Question 2 in your responses.



### Question 3a (2 marks)

Use the statement of inquiry to **formulate** a clear and focused research question for your investigation.



### Question 3b (4 marks)

**Justify** how investigating your research question will help the local council to better protect the environment and the community.



### Question 3c (1 mark)

**Identify one** reliable secondary source you would use to investigate your research question.

**B** *I* | ← → | U  $x_2$   $x^2$  | ☰ ☷ | Ω Σ

Styles ▾ | 📄 ↕



### Question 3d (4 marks)

**Explain** how the secondary source you identified in part (c) will help you investigate your research question.

**B** *I* | ← → | U  $x_2$   $x^2$  | ☰ ☷ | Ω Σ

Styles ▾ | 📄 ↕





Question 3e (1 mark)

State one challenge you could face in your investigation.

**B** *I* | ← → |  x<sub>2</sub> x<sup>2</sup> | ☰ ☷ | Ω Σ | Styles ▾ | 📱

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#### Question 4 (18 marks)

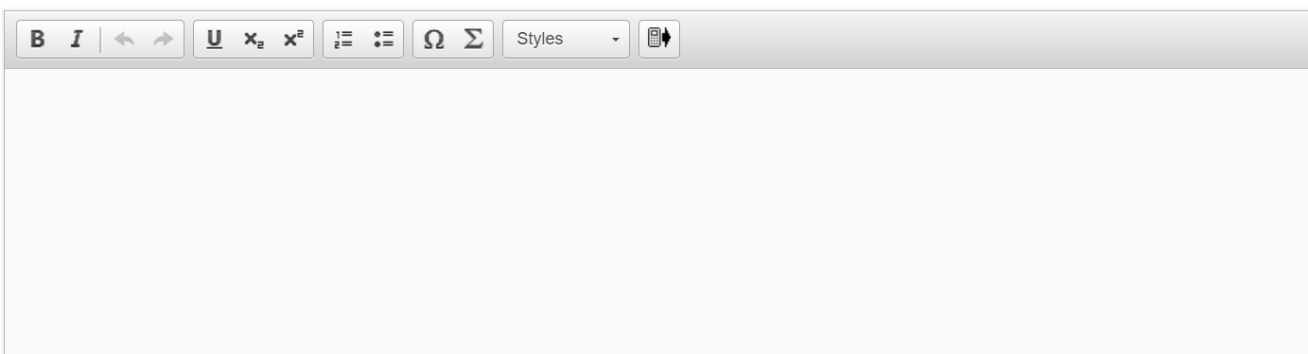
You have been invited to give an online presentation to MYP4 students in Australia as you live in a tectonically active country that experiences both earthquakes and volcanic eruptions. You have been asked to explain how tectonic activity is successfully managed in your country.

Before the presentation, the students in Australia have emailed some questions for you to consider. Your teacher has organised them into three categories for you. You must choose **two** questions, each from a different category.

Environmental	Social	Economic
How does your country minimise the environmental impacts of volcanic eruptions?	Why are there so few social impacts after an earthquake?	How are the economic impacts of earthquakes managed in your country?
How does your country minimise the environmental impacts of earthquakes?	Why are there so few social impacts after volcanic activity?	How are the economic impacts of volcanic activity managed in your country?

Prepare for your presentation and your two chosen questions by writing a script to **explain** how tectonic activity is successfully managed in your country. Your script must include the following:

- An introduction
- A conclusion
- Named location(s)



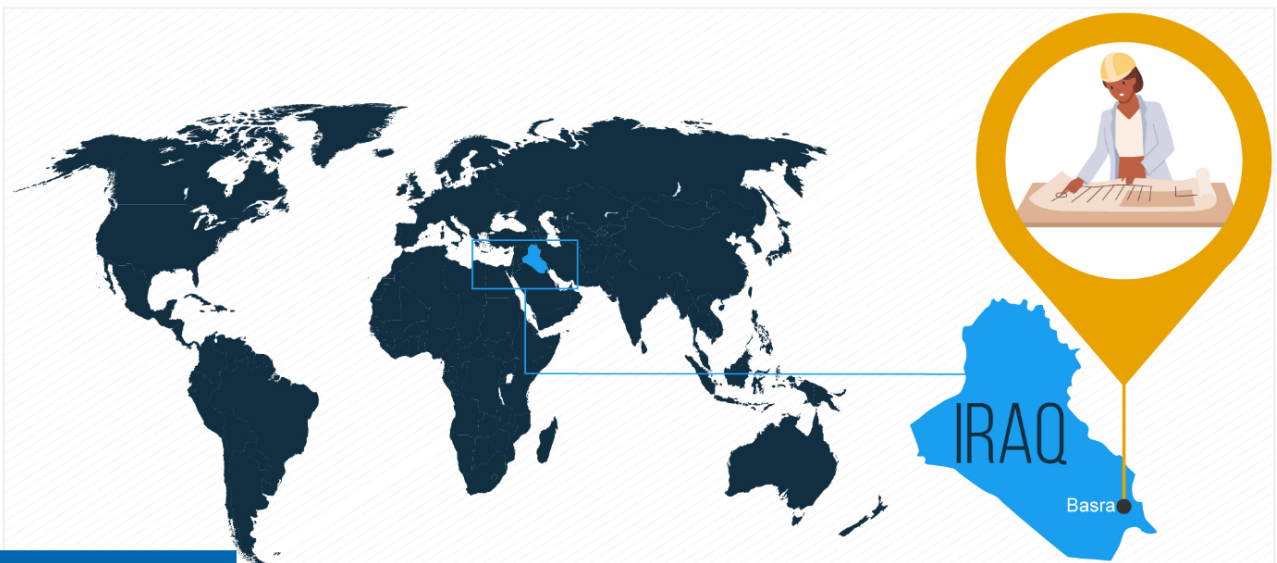
A rich text editor toolbar with the following icons from left to right: Bold (B), Italic (I), Undo (left arrow), Redo (right arrow), Underline (U), Strikethrough (x with a diagonal line), Superscript (x with a superscript symbol), Bulleted List (three horizontal lines with a dot), Numbered List (three horizontal lines with numbers), Link (Omega symbol), Unlink (Sigma symbol), Styles (a dropdown menu labeled 'Styles'), and a mobile device icon.

Question 5 (6 marks)



You are a city planner working in Basra, a city in Iraq.

'Area X', marked on **Source A** below, is being considered as a possible site for development. You and other city planners are considering whether to expand the industrial area or build more housing.



Source A





### Question 5a (2 marks)

**Outline one** value of **Source A** for the city planners' discussion on whether to expand the industrial area or build more housing.

Rich text editor toolbar with icons for Bold (B), Italic (I), Undo, Redo, Underline (U), Subscript ( $x_2$ ), Superscript ( $x^2$ ), Bulleted List, Numbered List, Link, and Unlink. Below the toolbar is a 'Styles' dropdown menu and a 'Wiris Editor' label. The main text area is empty.



### Question 5b (4 marks)

**Explain one** limitation of **Source A** that could prevent the city planners from making an informed decision about how to develop Area X.

Rich text editor toolbar with icons for Bold (B), Italic (I), Undo, Redo, Underline (U), Subscript ( $x_2$ ), Superscript ( $x^2$ ), Bulleted List, Numbered List, Link, and Unlink. Below the toolbar is a 'Styles' dropdown menu and a 'Wiris Editor' label. The main text area is empty.



Question 6 (6 marks)

**Source A** is repeated for information. Look at **Source B** and **Source A** and answer the question that follows.

Source B    Source A

### Facts about Basra:

**Population:**

The city has a population of 1.45 million. Due to urbanization, the population increases every year.

**Wealth:**

More than 46% of Basra's population lives on less than \$2.15 per day.

**Location:**

The city is located where the two largest rivers in the region meet and flow into the Arabian Gulf.

**Housing:**

There is increased demand for housing due to urbanization.

**Trade:**

Basra is the country's main seaport making it a major centre for trade. The city profits mainly from oil found in the region.

Two of your city planner colleagues have different opinions about how to develop 'Area X'. Their opinions are shown below.

We should build more housing.



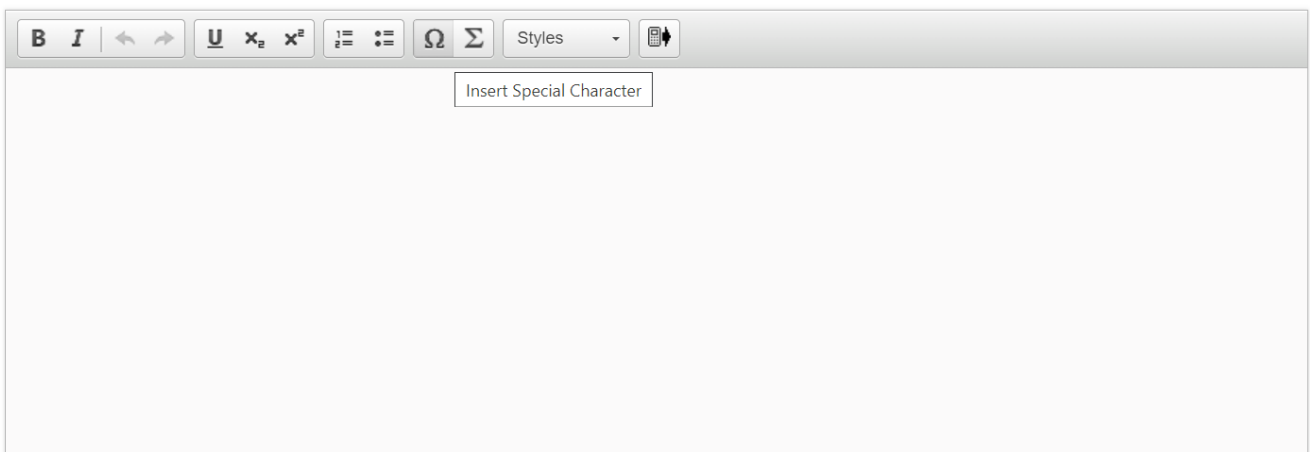
We should expand the industrial area.



Choose the opinion you would support:

- Build more housing
- Expand the industrial area

With reference to both opinions, **justify** your decision.

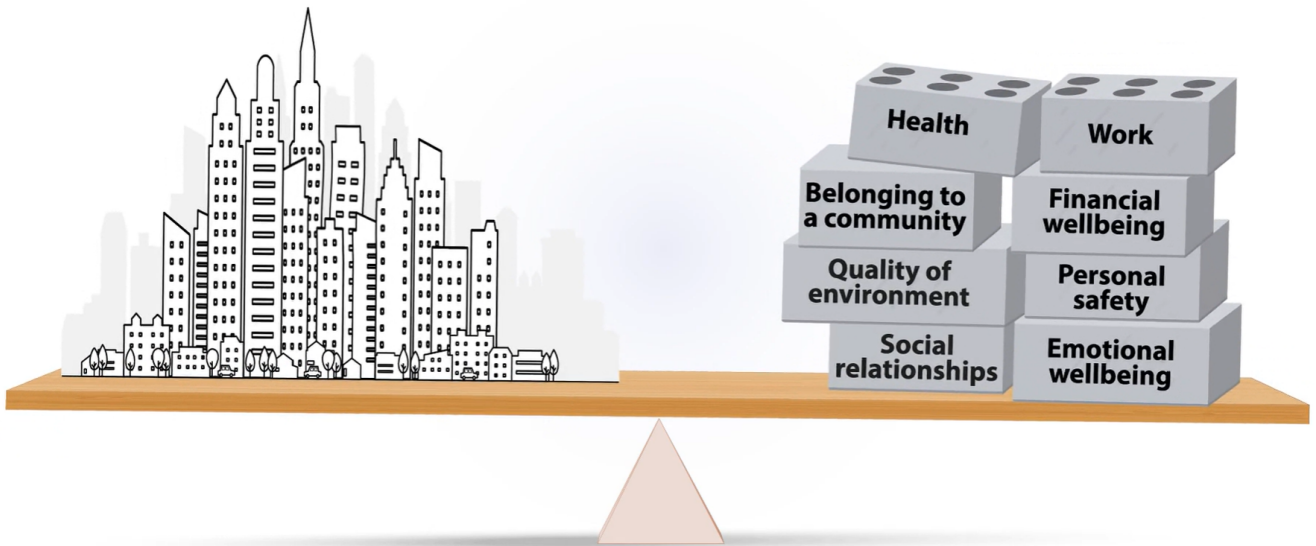


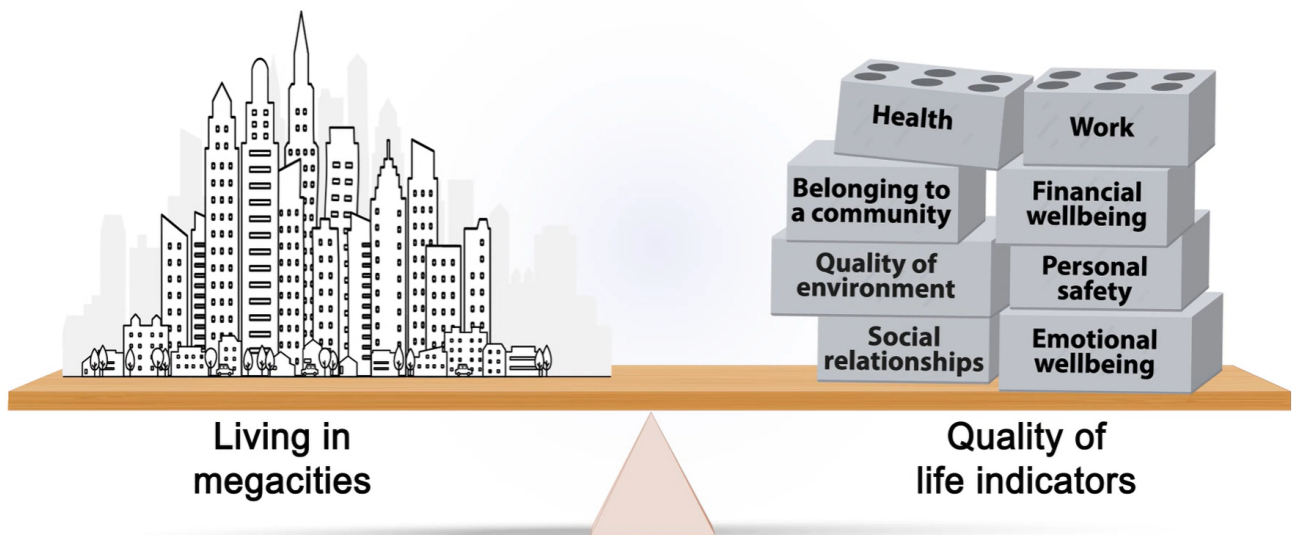
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**Question 7** (24 marks)

A megacity is a city with 10 million people or more. Look at the animation. Write a well-structured essay in response to the question below.

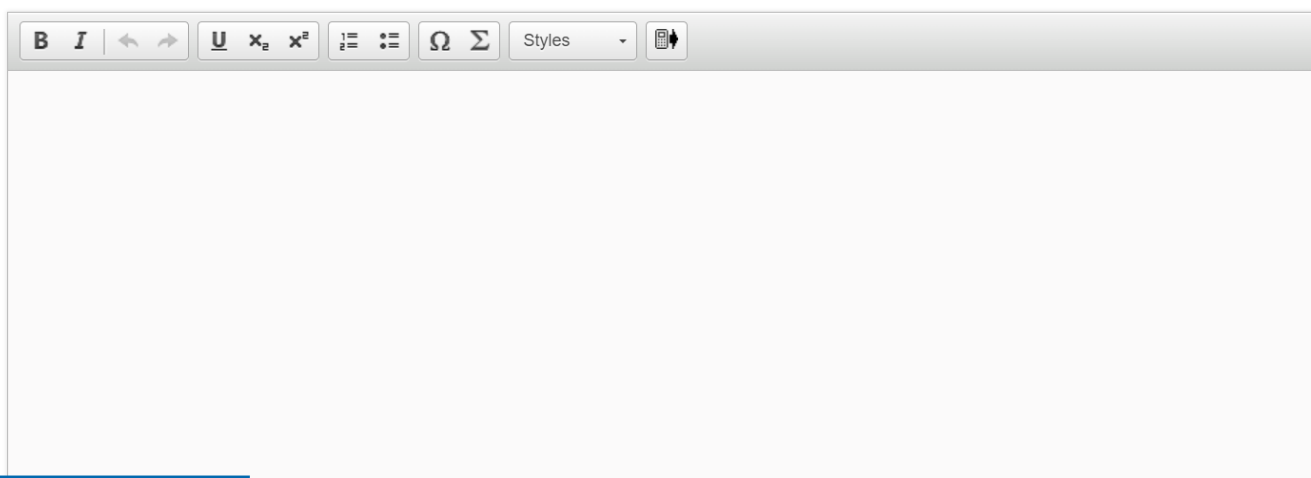




**To what extent** does living in a megacity decrease the quality of life of societies?

In your essay, you **must**:

- consider at least **two** quality of life indicators
- consider different perspectives
- use examples from your MYP studies to support your arguments
- use appropriate geographical terms.



The image shows a rich text editor interface. At the top, there is a toolbar with the following icons from left to right: Bold (B), Italic (I), Undo (left arrow), Redo (right arrow), Underline (U), Subscript (x₂), Superscript (x²), Bulleted List (three horizontal lines with dots), Numbered List (three horizontal lines with numbers), Link (Ω), Unlink (Σ), a dropdown menu labeled 'Styles', and a Print icon. Below the toolbar is a large, empty white rectangular area for writing the essay.