

Section 1:

#1 (First paragraph) Strengths:

- Your opening effectively introduces the historical context of Three Mile Island
- You establish a clear connection between the past incident and future potential

Weaknesses: Topic Development → Your introduction lacks specific details about why fusion would be particularly suitable for this site. The phrase "something new and potentially much safer" is vague and doesn't set up your argument effectively.

Exemplar: "Three Mile Island, site of the 1979 nuclear accident, presents a unique opportunity for redemption through fusion power - a fundamentally different and inherently safer technology that could transform this symbol of nuclear risk into a beacon of clean energy innovation."

#2 (Second paragraph) Strengths:

- You make a clear connection between fusion power and environmental benefits
- You attempt to address the historical context in your argumentation

Weaknesses: Logical Flow → Your reasoning jumps between concepts without clear connections. The statement "which will pay back for the 1979 issue" does not logically follow from the previous point about air pollution. You need stronger transitional logic between your ideas.

Exemplar: "Nuclear fusion power offers a path to drastically reduce greenhouse gas emissions without the risks associated with traditional nuclear fission. Unlike the 1979 accident, fusion's inherent safety features make it an ideal candidate for transforming Three Mile Island's legacy."

#3 (Fifth paragraph) Strengths:

- You demonstrate knowledge of fusion fuel sources
- You attempt to explain technical concepts in accessible terms

Weaknesses: Coherence → Your explanation about measurements (1kg blocks and 1gram blocks) disrupts the flow and doesn't clearly connect to your main point about fuel abundance. The technical information needs more focused development.

Exemplar: "Fusion power's remarkable efficiency stems from its abundant fuel sources: deuterium, easily extracted from seawater, and tritium, which can be produced from naturally occurring lithium. This virtually limitless fuel supply makes fusion an exceptionally sustainable energy solution."

Actionable Task: Rewrite your second paragraph focusing specifically on how fusion technology differs from traditional nuclear power, and explicitly connect these differences to environmental benefits.

Score: 40/50

Section 2:

#1 Should Three Mile Island be transformed into a fusion power facility?

~~Three Mile Island is a site that many people connect with the dangers of nuclear energy. In 1979, the plant had malfunction, which was a major accident in the history of nuclear power. However, looking at the site today, we have an opportunity to use it for something new and potentially much safer: fusion energy.**~~ [Three Mile Island is a site that many people connect with the dangers of nuclear energy. In 1979, the plant experienced a major malfunction, which became a significant accident in the history of nuclear power. However, looking at the site today, we have an opportunity to use it for something new and potentially much safer: fusion energy.]

~~#2 Cities should start using nuclear fusion power as it will stop green house gases from contaminating the atmosphere. If there are no greenhouse gases in the atmosphere, then it will help stop air pollution which will pay back for the 1979 issue. This is evident because scientists have shown that air pollution is way worse than the nuclear fusion power issue. Thus, nuclear gases will be a great help to our environment.~~ [Cities should adopt nuclear fusion power to prevent greenhouse gases from contaminating the atmosphere. Eliminating these emissions would help reduce air pollution, offering a positive environmental legacy in contrast to the 1979 incident. Scientific evidence demonstrates that air pollution poses a greater threat than any challenges associated with fusion power, making this clean energy source beneficial for our environment.]

~~Additionally,~~ [Furthermore,] Cities should start using nuclear fusion ~~powers~~ [power] as it is ~~extremley~~ [extremely] energy efficient. This is evident because it uses ~~miniscule~~ [minuscule] amount of fuel to generate the same amount of electricity that a coal or gas station would. At the same time, it doesn't harm the environment. Therefore, this is very energy efficient and will help our environment.

~~#3 moreover~~ [Moreover], Cities should start using nuclear fusion power as it ~~very~~ [is very] abundant in fuel. ~~this~~ [This] is evident because deuterium can be extracted inexpensively from seawater, and tritium can potentially be produced from the reaction of fusion generated neutrons with naturally abundant lithium. This can also equal to a bigger value when it is just a small value. For example ~~1kg~~ [1 kg] blocks equal to 1000 ~~1gram~~ [1-gram] blocks. You use 1 ~~thing~~

[thing] to represent so many things. If we use nuclear fusion then energy is very abundant in the world.

In conclusion, repurposing Three Mile Island for fusion energy makes sense. It would be a way to honour the lessons learned from past accidents, while also embracing the promise of a cleaner, safer future. Fusion power has the potential to change the world, and Three Mile Island could play a key role in that transformation.