

Advanced Level: Critical Thinking and Writing (Analysis & Opinion-Based)

Instructions: Read the passage below and answer the questions using your own ideas.



Space Debris



Passage:

There are thousands of pieces of space debris floating around Earth. Some are as small as a grain of sand, while others are the size of a bus. These objects move at speeds of up to 28,000 km per hour, making even tiny pieces dangerous. One possible solution is to design spacecraft that can collect and remove debris. Another idea is to build satellites that can push old space junk into Earth's atmosphere, where it will burn up. However, cleaning space junk is expensive and complicated. Some people believe that countries should work together to solve this problem. Others think space agencies should focus on preventing more debris instead of cleaning it up.

Questions:

**Why do small pieces of space debris pose a big danger?
If you were a scientist, what method would you
suggest for cleaning space junk? Explain your
answer.**

**Should all countries share the responsibility of cleaning up
space debris? Why or why not?**

**What are some challenges scientists might face when
trying to remove space debris?**

