Name Zhiqian Zhou

Last Name 1

Date 2021/11/4

Teacher's Name Mr. Lowry

Comparison Essay

Title – Differences between Earth and Mars

1. **Introduction**
	1. Hook: There is always having many unsolved mysteries about things in space. …People have tried to explore planets relatively close to the earth….
	2. Background (explain the topic and **two subjects** you will compare): Mars was once considered the most likely planet in the solar system for extraterrestrial life. A day on Mars is 24.5 hours, and there are four seasons and two poles.
	3. Thesis statement: Although Earth and Mars are both terrestrial, they still have 3 main differences: the environment, life and geography.
2. **Body Paragraph 1** **(Point 1):** The environment.
	1. **Subject A: Earth**
		1. Supporting ideas: big atmosphere of pressure. 1013.25 millibars. (more details about the environment differences.)
	2. **Subject B: Mars**
		1. Supporting ideas: small atmosphere of pressure of 6.518 millibars. (more details about the environment differences.)
		2. “Mars' atmosphere however is 95% carbon dioxide, 3% nitrogen, 1.6% argon, and it has traces of oxygen, carbon monoxide, water, methane, and other gases, along with a lot of dust.” –The composition of atmospheric pressure on Mars

This paragraph should have **1 direct quote** to support your ideas. Write a commentary after the quote telling why this quote is important. (1-2 sentences) Place this quote where it supports your ideas.

1. **Body Paragraph 2** **(Point 2):** life
	1. **Subject A: Earth**
		1. Supporting ideas: There are humans, plants and animals on the earth.
	2. **Subject B: Mars**
		1. Supporting ideas: There are no humans and no animals on Mars. Carl Zimmer said in Smithsonian Magazine that the weather was dry and cold, and the temperature dropped to -220 degrees Fahrenheit. The thin atmosphere of Mars cannot block ultraviolet radiation from space, which will destroy any known organisms on the surface of the earth.

https://www.smithsonianmag.com/science-nature/life-on-mars-78138144/

This paragraph should have **1 paraphrase** to support your ideas. Write a commentary after the paraphrase telling why this quote is important. (1-2 sentences) Place this quote where it supports your ideas.

1. **Body Paragraph 3** **(Point 3)**: geography
	1. **Subject A: Earth**
		1. Supporting ideas：There are also mountains, valleys and volcanoes on the earth. 70% part of earth are ocean.
	2. **Subject B: Mars**
		1. Supporting ideas: The surface of Mars is rocky, with canyons, volcanoes, dry lake beds and craters. There is water on Mars, but there is very little water, or it exists in the form of ice.

This paragraph does not have a source (it is your ideas only).

**Conclusion** (do not write the concluding paragraph with the outline)

Restatement of Thesis: Discuss three places where Mars is different from Earth.

Summarize the three ideas that you compared: the environment, life, geography.

Give a suggestion, opinion, or call to action – leave the reader with something to think about: About more differences between Earth and Mars.

Citation:

Arizona State University. “Mars Education: Developing the next Generation of Explorers.” *Mars Education | Developing the Next Generation of Explorers*, https://marsed.asu.edu/mep/atmosphere.

Carl Zimmer. “Life on Mars?” *Smithsonian.com*, Smithsonian Institution, 1 May 2005, https://www.smithsonianmag.com/science-nature/life-on-mars-78138144/.