

PEER CORRECTION CRITERION B

Your task is to correct the answer and award levels.

**SOI- “Climatic conditions of an area determine the major biomes of the world.”
(2)**

- a) **Formulate** a clear and focused research question to investigate the statement of inquiry.
- b) **Justify** the relevance of your research question to the statement of inquiry.
- c) **Identify** two pieces of information required for your research.
- d) **List** one primary and one secondary source you may require collecting the information. Also **justify** your choice.

SAMPLE 1:

- a) To what extent have the climatic conditions of different zones impacted the major biomes of the world in the past decade.
- b) The relevance of the above question is how can the climatic condition of a certain area impact the surrounding zones and how it could determine the major biomes of the world. Furthermore, how can different biomes play a role in determining the major biomes of the world. The time period of a decade enables one to analyze a larger sample size along with more information to compare and contrast the change in climatic conditions globally.
- c) Two pieces of information required would be: 1. The change in temperature globally in the past decade and 2. The impact the change in temperature has had on different biomes in the past decade.
- d) Primary Source: One primary source required would be an interview with a geologist studying the change in climatic conditions globally, this source would be required because it would provide statistical data from a reliable source and provide evidence to why these changes are occurring and which biome may become the major biome of the world.

Secondary Source: One secondary source required would be an interview with a geography teacher as they would be able to explain the impact of the climatic conditions on different biomes as well as the impact on the surrounding zones.

SAMPLE 2:

Research Question:

1. To what extent has the climatic conditions of the Tundra affected the flora and fauna over the course of the last 10 years?

Justification:

1. My research question is relevant because it asks about how the colder, and more extreme climatic weather conditions have affected the flora and fauna in a particular biome (Tundra). It is also time & place specific because it mentions the time, being the effects over the last 10 years as well as the place, which is the Tundra in the polar regions.

Pieces of Information:

1. Research papers focused on the effects of the climate on the flora and fauna.
2. How many species were lost?

Primary & Secondary Sources:

1. Primary: Documentaries, Interviews, Historical Archives
2. Secondary: Websites, Videos, Encyclopedias
- 3.
4. **SAMPLE 3**
5. a) Research Question: To what extent has temperature led to the formation of the rainforest biome in the Amazon Basin?
6. b) Climatic conditions such as temperature, atmospheric pressure, cloud coverage, humidity, precipitation and other factors play a huge role in determining what vegetation will grow in a certain area (flora) and what animals will inhabit the land and whether it will be in their favour or not (fauna). Similar flora and fauna with a specific climatic condition over a large area of land is what forms a biome. As both adapt to a certain environment. Hence, giving climatic conditions a huge role in determining biomes such as the Amazon rainforest in mostly Brazil and other South American countries. Moreover, climatic conditions also determines what resources the biome will offer. Therefore, also impacting human occupations etc.
7. c) I will require statistical data such as graphs which depicts temperature and other climatic patterns. Another crucial piece of information would be the location of the Amazon Rainforest.
8. d) Primary: I will look at maps, satellite images and population data to understand the geography of the Amazon Rainforest. To understand why the Amazon Rainforest is located in the region it is located in and what temperature and human society has to do with it.
9. Secondary: I will watch a documentary on the Amazon Rainforest as there are several. They will give me information on what kinds of flora and fauna inhabit the region and help me understand their similarities and relation with temperature as well as other climatic factors.