**Level 3: Bitcoin & The Environment**

Read the following resources before answering the questions below:

* <https://www.cbc.ca/news/business/bitcoin-electricity-1.4668768>
* <https://www.cbc.ca/news/business/hut8-medicine-hat-bitcoin-mining-1.4834027>

1. What is a BitCoin “miner” and why are people concerned about BitCoin mining?

BitCoin miners are people that use a special software in which they solve equation and make Bitcoin currency in return. Bitcoin uses to much energy.

1. Why does BitCoin mining use so much energy?

Bitcoin mining uses so much energy because lots of people use it and new blockchains are added every 10 minutes

1. Why has Hut-8 decided to locate its facility in Alberta when its head office is in Toronto?

What does the city of Medicine Hat provide that is required for mining BitCoin?  
Bitcoin mining uses more energy then what one city could provide espically at the time of a heat wave.

1. What benefits does the city of Medicine Hat expect to see from this BitCoin facility?

Bitcoin provides a economic boost to the city.

1. What concern does the city of Medicine Hat have about from this Bitcoin facility?

The concerns Medicine Hat has about the Bitcoin facility is that the facility uses more energy that the whole city.

1. What concern do environmentalists have about the Medicine Hat facility and about BitCion mining in general? E.g. how does BitCoin mining harm the environment?

Environmentalists don’t like how much pollution is put into the atmosphere when the fossil fuels are burnt to create as much energy as a city takes for one day, just so bitcoin mining could happen.

Bitcoin harms the environment by burning fossil fuels to create energy so that bitcoin mining

could happen.

1. If Hut-8 wanted to build a facility in Brampton, would be in favor of this proposal. Write a SOP to justify your position.

Personal I would not be in favor of the bitcoin facility being created in Brampton because firstly, the bitcoin facility take enough energy to run a city for a day. Secondly, it creates a lot of pollution, harming the environment even more. Finally its going to become more annoying as more bitcoin mining happen especially if a heat wave hits. In conclusion I feel that the bitcoin facility is going to do more damage then good so it should not be built.

<https://www.economist.com/the-economist-explains/2018/07/09/why-bitcoin-uses-so-much-energy>

<https://coincentral.com/what-is-the-environmental-impact-of-bitcoin-mining/>