

TASK 3 - THE DESALINATION PLANT

Utopia's population is growing at a fast rate. Their clean water supply has been compromised and the Lord Mayor Landrew Gleester has been told about something called a "desalination plant". Mr. Gleester has asked you to investigate.

Use the following resources and tutorials completed in class to answer the questions outlined below

RESOURCES

What is a Desalination Plant?

How and why sea water is desalinated

Sydney Desalination Plant



QUESTIONS

1. What is water scarcity? How may this affect Utopia? How is a desalination plant a solution to water scarcity
2. What type of the water cycle does the desalination plant assist with?
3. What might happen to people's health if access to water and sanitation is not improved?
4. Choose a suitable location for the desalination plant. Think about the best location to deliver the water to community, without impacting on the community too much. Annotate this on the map of Utopia. Make sure your map includes BOLTSS and is labelled.

WHAT TO SUBMIT FOR TASK THREE.

1. A google document with Questions 1-3
2. The map of Utopia including an annotation of where the desalination plant should be.

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Resources

<https://www.environment.gov.au/topics/science-and-research/state-environment-reporting/soe-2006-desalination#mini>

<https://www.youtube.com/watch?v=aysj7696b0A>

<http://www.sydneydesal.com.au/how-we-do-it/>

Questions

1. What is water Scarcity? How may this affect Utopia? How is a desalination plant a a solution to water scarcity
2. What type of the water cycle does the desalination plant assist with?
3. What might happen to people’s health if access to water and sanitation is not improved?
4. Choose a suitable location for the desalination plant. Think about the best location to deliver the water to community, without impacting on the community too much. Annotate this on the map of Utopia.

What to submit for task one.

1. A google document with Questions 1-3
2. The map of utopia including an annotation of where the desalination plant should be?