

Engagement:

Activate student's prior knowledge about how the data they collected during The Discovery Lab provided evidence that certain types of ground coverings absorbed and radiated more heat than others. By using this data they were able to meditate the human impact on the environment by making strategic choices for city redesign.

What You Will Need:

- Internet access (with access to YouTube)
See notes if you do not have this
- A computer and a projector

Exploration:

Help students create a pros and cons T-chart note taker and explain that you will watch a three-minute video titled: Are Vegetarians Better for The Environment. <https://youtu.be/vKSDmBe-mvE>

NOTE: If you do not have internet access or YouTube access you can use an add on to your browser to download the video in advance at home. http://addoncrop.com/youtube_video_downloader/

When the video is finished, have students compare their T-charts and add aspects from the video that they missed.

Explanation:

Have students summarize in writing an explanation of how being a vegetarian effects climate change? If people do choose to eat meat, how does the video suggest that emissions be monitored and minimized? The students saw in the Discovery Lab activity how ground covering choices and their impacts on the environment were complex. Students should also be able to see from this video how food choices and their impacts on our environment are also a complex issue.

Adapted From:

Other climate change lesson resources:

<http://www.purdue.edu/discoverypark/climate/climate-change/toolkit-fossil-fuels.php>

Nevada Academic Content Standards in Science (NGSS):

MS-ESS3-3. Apply scientific principles to design a method for monitoring and minimizing a human impact on the environment.

