

## EVERY DROP COUNTS PART 2: Climate Change

1. What is climate change?
2. Climate or weather (Circle one) refers to trends in weather conditions over time.
3. How do humans cause climate change?
4. At the current rate of climate change, Earth will become on average \_\_\_\_\_°F hotter by 2030.
5. List three ways that climate change will impact Earth's water resources.

### Image Sources:

Temperature Change over the last 800,000/1,500 years-

<https://earthobservatory.nasa.gov/features/GlobalWarming/page3.php>

The Greenhouse Effect- <https://medialibrary.climatecentral.org/resources/the-greenhouse-effect>

2019 Billion-Dollar Disasters-

<https://www.climatecentral.org/gallery/graphics/2019-billion-dollar-disasters>

Days Above 100 Degrees- <https://www.climatecentral.org/gallery/maps/days-above-100f-projections>

Glacier Calving- [https://www.youtube.com/watch?v=49bYTMo3Vxw&feature=emb\\_title](https://www.youtube.com/watch?v=49bYTMo3Vxw&feature=emb_title)

Saltwater Intrusion-

<https://blogs.egu.eu/network/gfgd/2018/02/12/saltwater-intrusion-causes-impacts-and-mitigation/>

Water Availability Map- <https://www.grida.no/resources/5639>

Sea Level Rise- <https://climate.nasa.gov/vital-signs/sea-level/>

Earth's Accumulated Energy- <https://www.climatecentral.org/news/global-warming-ocean-heat-18905>