Is the weather actually becoming more extreme?

Task 1. Watch video.

https://youtu.be/NCPTbfQyMt8

Task 2. Choose the correct answer.

1Which of these is a statement about weather?

- It will be hot in Texas in July
- It never rains in Southern California
- It rained a lot yesterday in New York City
- Tornadoes are common in Oklahoma during summer

2. Which of these is a statement about climate?

- The rainiest month in Beijing is July
- The snowstorm stopped all traffic yesterday
- There's a good chance of rainstorms tomorrow
- Hurricane Harvey made landfall in Texas on August 26, 2017

3. It is impossible to predict weather reliably beyond:

- two days
- two weeks
- two months
- two years

4. A boundary condition is a constraint on climate and weather. Which of the following is not a boundary condition?

- Solar radiation that warms the Earth
- Volcanic eruption that reflects sunlight and cools the Earth
- Oxygen gas that is 21% of the atmosphere but does not affect heating
- Carbon dioxide gas that is 0.04% of the atmosphere but traps heat

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5. Which of the following statements is true about the temperature of the Earth's surface?

- The Earth's surface has warmed by 1 degree Celsius in the last year
- The Earth's surface has cooled by 1 degree Celsius in the last year
- The Earth's surface has warmed by 15 degrees Celsius in the last 100 years
- The Earth's surface has warmed by 1 degree Celsius in the last 150 years

Task 3. Think and answer.

- ✓ We can predict tomorrow's weather quite well, but not the weather two weeks from now. Why not?
- ✓ If we cannot predict weather beyond two weeks, how can we predict climate years ahead?
- ✓ What are the different types of boundary conditions that affect climate?

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