

Choose the best evidence for each claim:

- Put a star next to the 2 strongest pieces of evidence.
- Put an X next to any evidence that you think does not specifically support the claim.

CLAIM: Earth's climate is changing.

Evidence	Scientist/Research Agency	Source
Maine's Average February temperature in 1900 was 16 degrees fahrenheit. In 2010, it was 22 degrees fahrenheit.	NOAA	http://www.pressherald.com/2017/03/01/maines-warm-february-unusual-winter-weather-climate-change/
Extreme weather is happening more often.	NASA and NOAA	https://newsela.com/articles/warmest-year/id/7048/
Methane traps more than 20x more heat in the atmosphere than CO2	EPA	https://www3.epa.gov/climatechange/kids/basics/today/greenhouse-gases.html
In 2100, the temperature will rise 0.54 and 8.6 degrees Fahrenheit	IPCC	https://www.sciencenewsforstudents.org/article/certainty-climate-change
NOAA determined that Earth's average ocean surface temperature in 2014 was 1.24 degrees above the 20th century average of 57 degrees Fahrenheit.	NOAA	https://newsela.com/articles/warmest-year/id/7038/#

Choose the best evidence for each claim:

- Put a star next to the 2 strongest pieces of evidence.
- Put an X next to any evidence that you think does not specifically support the claim.

CLAIM: Humans are causing Earth's climate to change.

Evidence	Scientist/Research Agency	Source
6,300 weather stations on land, ships and buoys floating in the world's oceans	NOAA and NASA	https://newsela.com/articles/warmest-year/id/7046/
NOAA determined that Earth's average ocean surface temperature in 2014 was 1.24 degrees above the 20th century average of 57 degrees Fahrenheit.	NOAA	https://newsela.com/articles/warmest-year/id/7038/#
Scientists are 95 to 100% sure humans have a large role in climate change.	IPCC	https://www.sciencenewsforstudents.org/article/certainty-climate-change
Because of humans, Earth's temperature is rising 170 times faster than it would have with natural sources	Will Steffen, a researcher at the Australian National University	https://www.theguardian.com/environment/2017/feb/12/humans-causing-climate-to-change-170-times-faster-than-natural-forces
In 1880, scientists started carefully measuring temperatures.	NASA and NOAA	https://newsela.com/articles/warmest-year/id/7038/