



WEATHER VS. CLIMATE IDENTIFICATION GAME

Department of Environmental Protection

Climate Change Module

Round 1: Photos

100 Points

WEATHER OR CLIMATE?



ANSWER

Climate
(desert)

WEATHER OR CLIMATE?



ANSWER

Weather
(lightning)

WEATHER OR CLIMATE?



ANSWER

Weather
(snow)

WEATHER OR CLIMATE?



ANSWER

Climate
(the tropics)

WEATHER OR CLIMATE?



ANSWER

Weather
(tornado)

Round 2: Sentences

200 Points

WEATHER OR CLIMATE?

I can't believe I forgot my umbrella today.

ANSWER

Weather
(rain)

WEATHER OR CLIMATE?

The air is so humid today.

ANSWER

Weather
(humidity)

WEATHER OR CLIMATE?

This is my favorite part of the year because it's warm enough to enjoy the outdoors.

ANSWER

Climate

(seasons - summer)

WEATHER OR CLIMATE?

Tropical fruits cannot grow here because temperatures are not high enough.

ANSWER

Climate

(patterns of atmospheric conditions dictate success of crops)

WEATHER OR CLIMATE?

Mangos cannot grow here because the environment is not suited for them.

ANSWER

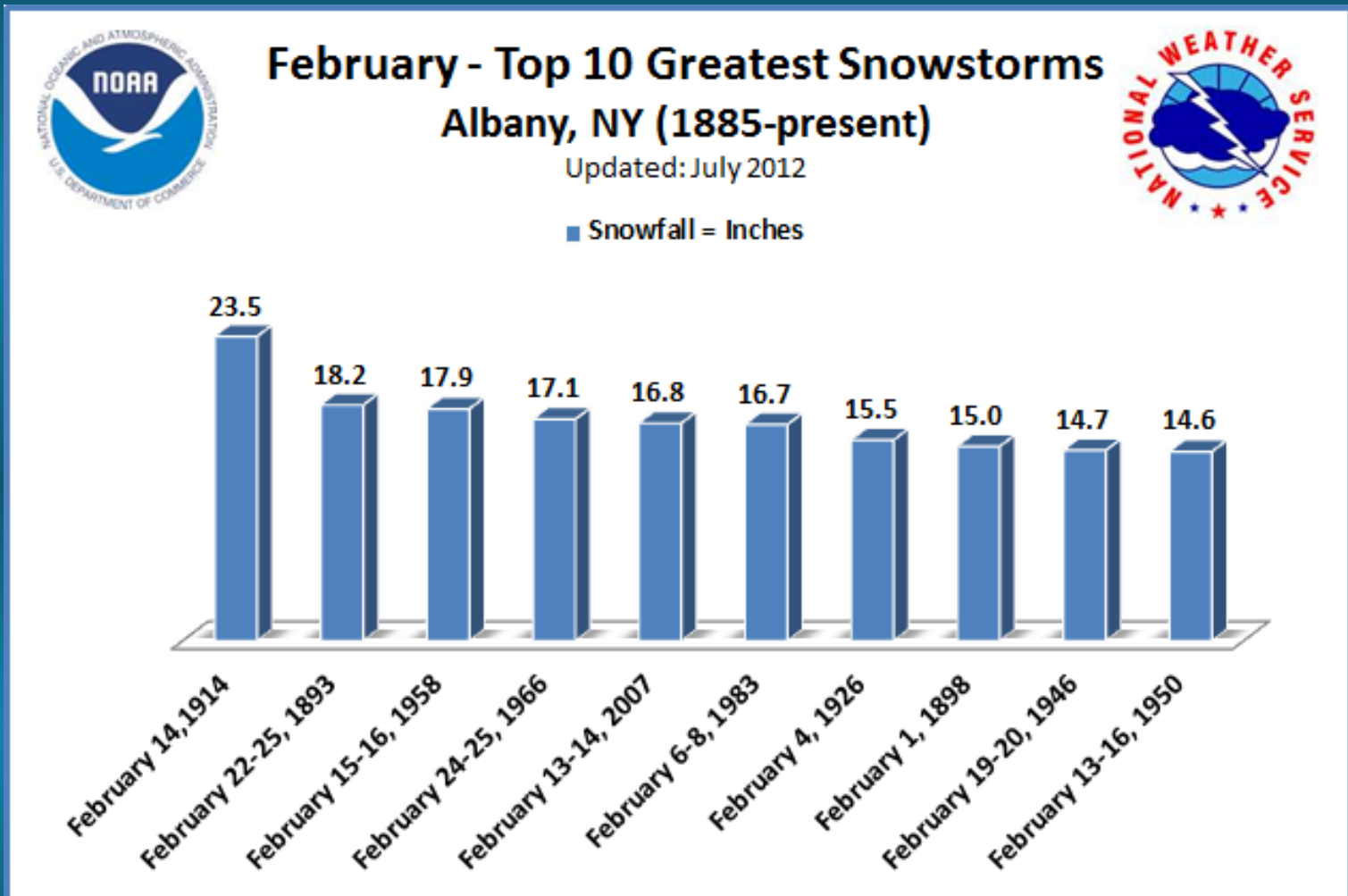
Climate

(any climate other than the tropics)

Round 3: Graphs

300 Points

WEATHER OR CLIMATE?



ANSWER

Weather
(snowstorms)

WEATHER OR CLIMATE?

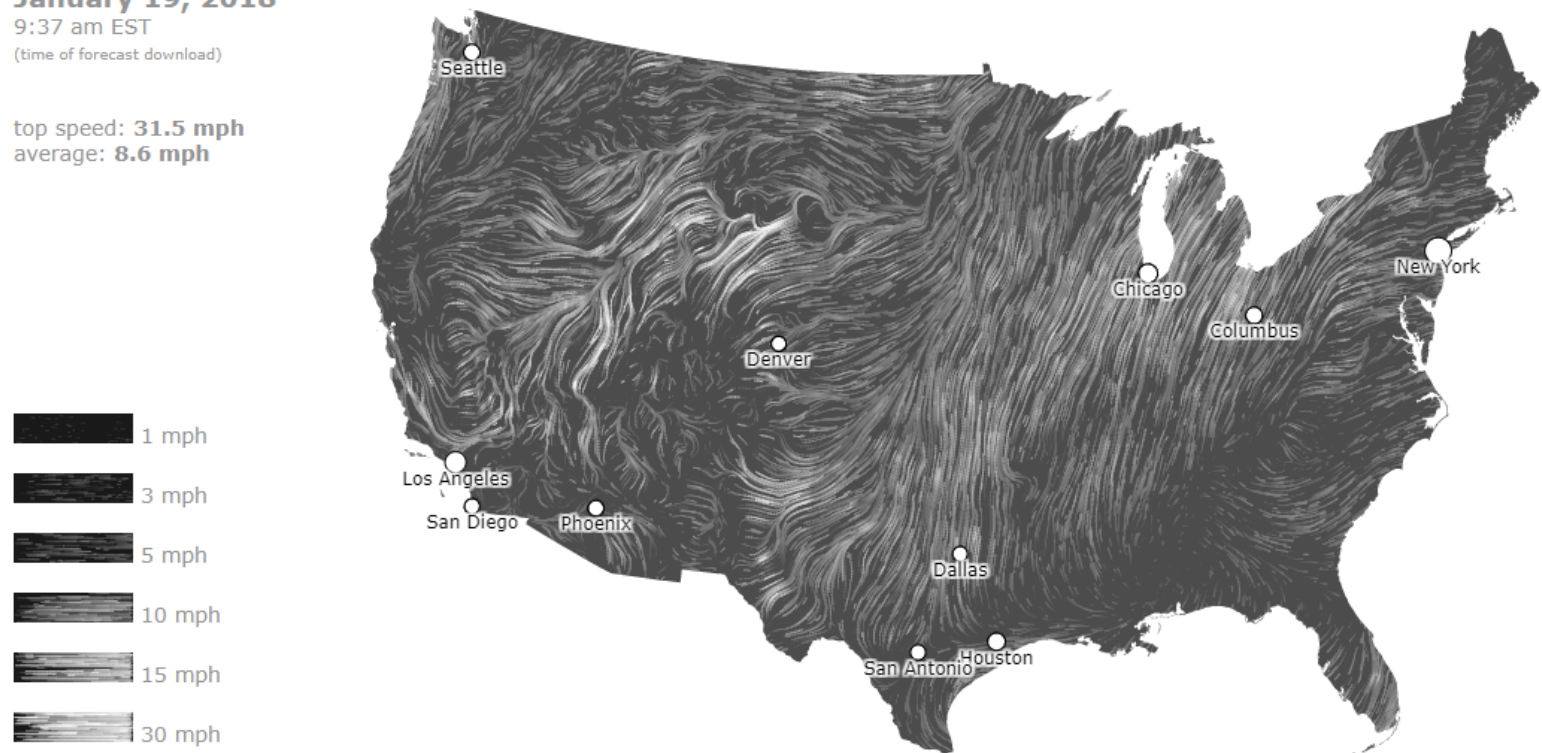
wind map

January 19, 2018

9:37 am EST

(time of forecast download)

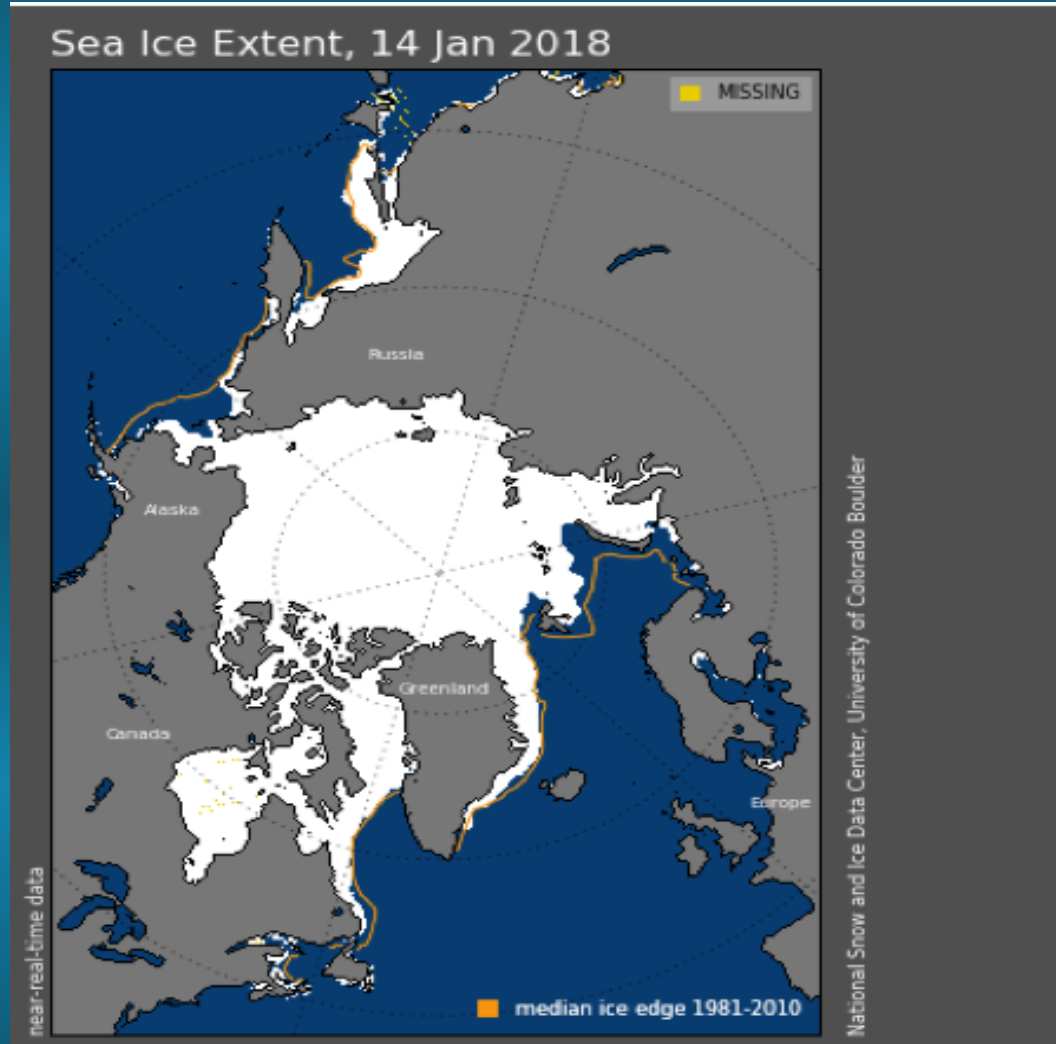
top speed: **31.5 mph**
average: **8.6 mph**



ANSWER

Weather
(wind)

WEATHER OR CLIMATE?



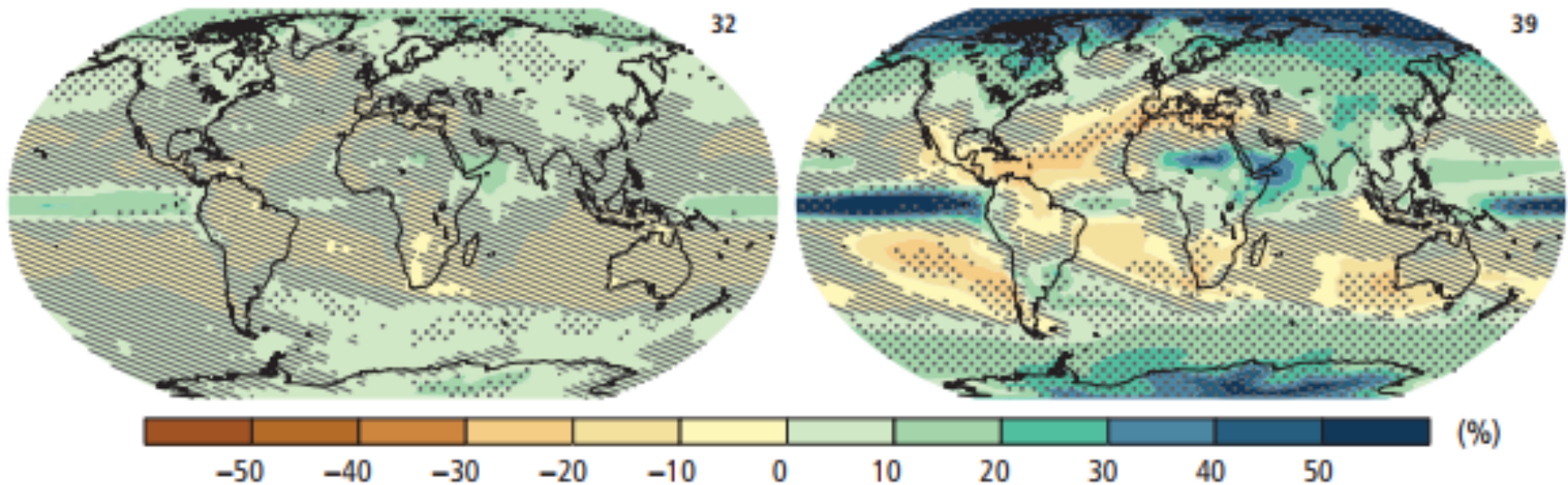
ANSWER

Trick Question

Sea ice has a large impact on the global climate, but is caused by decreasing temperature, which is associated with weather, this map was also taken at one specific point in time, therefore technically it would count as **weather**.

WEATHER OR CLIMATE?

(b) Change in average precipitation (1986–2005 to 2081–2100)



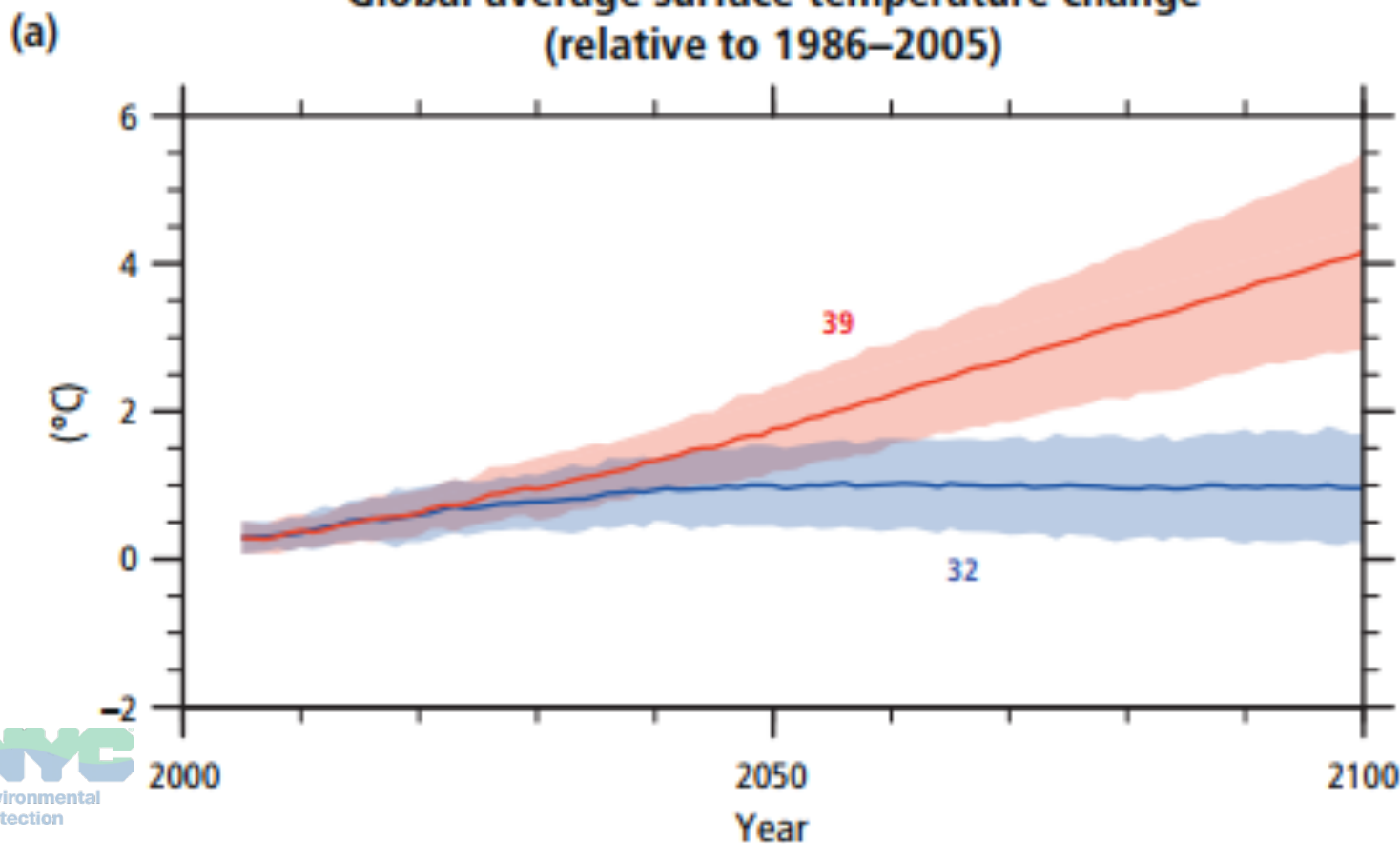
ANSWER

Climate

(change in precipitation over a relatively long period of time)

WEATHER OR CLIMATE?

Global average surface temperature change
(relative to 1986–2005)



ANSWER

Climate

(temperature change over a relatively long period of time)

CONGRATULATIONS TO THE WINNING TEAM!

**Count up each team's score
to determine the winner!**