

NOVA: Rise of the Superstorms

Name: _____

1. What are the names of the three major hurricanes from 2017?
2. How do Texas residents prepare for Harvey?
3. The *wind speed* propeller instruments used to collect data at ground level are called (radiometers / psychrometers / anemometers)
4. Why does Houston not order a mandatory evacuation
5. What category level hurricane is HARVEY when it makes landfall?
6. If the winds blew out quickly, what force of HARVEY caused the most damage to Houston?
7. What kinds of surfaces drain well?
8. poorly?
What other dangers are in the water?
9. Why does IRMA intensify so quickly?
10. How does IRMA impact Antigua & Barbuda?
11. What are some of the instruments or methods scientists use to collect data from Hurricane IRMA? (list several)
12. What obstacle slows the progress of IRMA?
What is the impact there?
13. What was the last catastrophic hurricane to hit Florida?
14. Where does IRMA finally make landfall on the Florida mainland?
15. What determines the level of a storm surge?
16. How quickly did MARIA go from a Tropical Depression to a Category 5 hurricane?
17. What factors drive Hurricane intensification?
18. What new technology are they using to collect hurricane data?

NOVA: Rise of the Superstorms

19. What nation is most impacted by MARIA?
20. List several of the ways that MARIA caused damage.
21. What is the official death toll?
The unofficial death toll that includes aftermath?
22. What are seen as contributing causes of storm intensity for the 2017 hurricanes?
23. What is the current global rate of sea level rise?
24. Why will there be more of these large hurricanes?
25. What does survival look like in Puerto Rico?
- Global Weirding: Was this Latest Hurrican Caused by Global Warming or Not?*
26. What kinds of normal weather events can be amplified by climate change?
27. What is "Global Weirding?"
28. What are three different ways that climate change can increase the effect of hurricanes?
29. Why can't we use past experiences any more to predict risk of future weather related events?