



RESOURCES

Simulation

Hurricane Storm Surge

Tasks

Read all about hurricane storm surges using the link below and find the answers to the following questions:

<https://www.nhc.noaa.gov/surge/>

1. Level 1: What is a storm surge?
Level 2: How is a storm surge different from a storm tide? (Give 2 reasons)
2. Level 1: What kinds of damage can a storm surge cause? (List 2 types of effects)
Level 2: How can a storm surge impact a local community? (List 2 effects)

Multiple Choice: Level 1

Q: Which of the following pushes a surge of water to the coast during a storm surge?

- A. Fire
- B. Sand
- C. Soil
- D. Wind ✓

Multiple Choice: Level 1

Q: What natural disaster causes a storm surge

- A. Earthquake
- B. Hurricane ✓
- C. Tsunami
- D. Volcanic eruption



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Level 1/Level 2: Using the map, at this point in time on the time timeline, what services have been affected by the hurricane storm surge? (List your answers)

Level 1/Level 2: How would these services be affected? How would this impact the people living in the area?

Level 2: Imagine you were a local resident at this point on the timeline and create an emergency plan for how you could help prevent your local services from being affected by the storm surge.

Level 1/Level 2: Imagine you are experiencing the disaster and you wanted to warn others. Write a Twitter post in your books to warn everyone in the area! Remember you only have 280 characters including hashtags!

Tip: Create informative hashtags so that people can easily find information on the topic.

Level 1/Level 2: Imagine you are a resident of the area. What would your Twitter feed look like? Draw a Twitter Feed in your books, using information from the map and your creativity!

Level 1/Level 2: Imagine you are a local newspaper reporter. Using information from the map and your creativity, create a newspaper article about the disaster. Remember to name your newspaper and give the article a catchy title!

News

Social Media

Tweet: My house has been completely flooded by the water! What is happening? Can anyone reply and tell me what else has been hit by the water? #hurricane #flood

Tweet: The storm hasn't hit my area yet but I know it has hit _____. I wonder where it is going to hit next? #stormsurge #hurricane



RESOURCES

NewsFeed

Example Headline: "City hit by Storm Surge sees hundreds of homes flooded and thousands more without electricity."

Information

Click the image to learn how a hurricane storm surge is created

[Diagram](#)

Click on the image to see examples of storm surge impact:

[Electricity](#)

[Housing](#)

[Streets](#)