

Name: _____

Date: _____

“STOP DISASTERS!” Computer Game – Student Activity

(www.stopdisastersgame.org)

“Disasters triggered by natural hazards destroy lives and livelihoods. They affect millions of people every year, rich or poor. With your help, we can reduce the human, physical and financial cost of disasters by understanding the risks of applying the best methods of prevention and mitigation. Simple measures really do save lives. Your role is to plan and construct a safer environment for your population”. (International Strategy for Disaster Reduction)



Before the Simulation: Using the internet, complete the **Natural Disaster Organizer** on the next page.

During the Simulation:

1. Go to www.stopdisastersgame.org and click on “Play Game” (it may take a minute to load), read the introduction and then “Launch Game”. Click on “Instructions” and read each section carefully.
2. Click on “Play Game” and choose one of the disaster types. Record the necessary information on your **Stop Disasters Worksheet**. Note: it is recommended to start with the “easy” scenario. Carefully read the “Mission Introduction” and again record the necessary information on your worksheet. The simulation then begins.
3. As you start putting in place defences and developments, “Key Fact” boxes will pop up giving you valuable information. There are 15 key facts in each simulation – the more of these you uncover, the more points you earn. You will be required to record the key facts you discover, but wait until the second time you go through the simulation so you don’t waste valuable time (disasters usually hit 20 minutes into the simulation).
4. At a certain point, the disaster will hit. Summarize the news report on your worksheet. Click on “View Scene” and look at the damage using your “Map” function. Click “Back” and then click on “View Report” and fill in the “Mission Report” sections.
5. Go through the simulation again (using the same disaster type), but focus on uncovering the 15 Key Facts and summarizing them in the **Key Facts Table**. Don’t worry about your score or about the time.

After the Simulation: Answer the following...

1. What defence strategy did you find to be the most effective in lessening the damage for your chosen disaster(s)? Explain.

Natural Disaster Organizer

	Brief description	Causes	Effects
Tsunami			
Earthquake			
Hurricane			
Flood			
Wildfire			

"STOP DISASTERS!" WORKSHEET

BACKGROUND (fill out before simulation begins)

Disaster Type: _____ Location: _____ Terrain: _____

Difficulty Level: _____ Population: _____ Time Allotted: _____ Budget: _____

Challenge (summarize in your own words):

MISSION REPORT (fill out after disaster hits)

Summarize the news report of the disaster:

Housing and Development:

Buildings Destroyed:	Total Damages:	Population Housed:
Population Died:	Population Sheltered:	Population Injured:

Mission (pass or fail):

School built:	Hospital built:	Scenario mission:
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Bonus:

Key Facts Found:	Budget Remaining:	Final Score:	Pass or Fail?
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ANALYSIS (fill out after disaster hits)

1. What measures seemed to be the most successful?

2. What might you do differently the next time you try it?

“STOP DISASTERS!” KEY FACT TABLE

After you have completed a disaster simulation once and recorded the necessary information for your Worksheet (see previous page), try the disaster again but this time focus on uncovering the 15 Key Facts and summarizing them in your own words below. Don't worry about your score or the time.

Disaster Type: _____

Key Fact Title	Key Fact Summary – in your own words
1.	
2.	
3.	
4.	
5.	
6.	
7.	
8.	
9.	
10.	
11.	
12.	
13.	
14.	
15.	