

Preparing for Floods

Grades 4-6
Reproducible Master

Hi! I'm Greta. Floods can happen any time of year, anywhere in the U.S. Want to learn more? Download **Monster Guard**. It's a free app from the American Red Cross that teaches kids how to be prepared for emergencies. Choose "Flood" on the main menu. Then join me on a training mission to learn how to head for higher ground when a flood is on the way. **Note:** You must have completed the **Monster Guard** Initiation section before you can access the Flood training mission.

My Flood Safety Score: _____



Part 1

Do you remember your flood safety training? Show what you learned by answering these questions

1. When there is a Flood Warning, what should you do if you live in an area where there has been flooding in the past?

2. What should you do if the road ahead is covered by flood water?

3. What could happen if you tried to walk through flood water that is only six inches deep?



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Part 2

Floods happen along streams and rivers when heavy rain, melting snow and ice, or a dam break causes the water to overflow onto land that is normally dry. In some riverside communities, flooding happens almost every year. Look at this map of flooding in a community called Riverton. Use the map and the information about Riverton to answer the questions.

Riverton Information

- Average yearly rainfall: 37 inches
- Flood level of river: 88 feet
- Average flooding: Once or twice per year to between 88-90 feet.
- Any flood of over 90 feet will cover the area in blue, which includes 400 homes.
- Flooding above 90 feet happens about once every 20 years.



1. How many inches of rainfall does Riverton get each year, on average? _____ inches
2. How high will the river be when it begins to flood? _____ feet
3. Are homes near Black Hawk Park safe when the river rises over 90 feet? __ Yes __ No
4. Are homes near George Wyth State Park safe when the river rises over 90 feet? __ Yes __ No
5. What are some things people living in Riverton should do to be prepared for flooding?

Part 3

Since 1901, sea levels around the world have risen by 8 inches. Scientists predict that sea levels will continue to rise, flooding and changing coastlines in the future. This is partially due to climate change.

Visit <https://archive.epa.gov/climatechange/kids/impacts/effects/coastal.html> to learn more about how climate change may impact coastal communities. Then use the back of this sheet to make notes for a class discussion on what coastal communities should do to protect people from this danger.

Replay the
Monster Guard Flood
training mission.
See if you can
score higher!



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