

Green Stormwater Infrastructure

I. Discussion

- Have you ever seen huge puddles of water in the street or sidewalk?
- Where does rainwater go when a storm ends?

II. Concepts

1) Vocabulary Words

- a) stormwater - water that originates during precipitation events and snow/ice melt
- b) gray stormwater infrastructure - conventional piped drainage and water treatment systems; designed to move urban stormwater away from the built environment
- c) green stormwater infrastructure (GSI) - cost-effective, resilient approach to managing wet weather impacts that provides many community benefits; reduces and treats stormwater at its source while delivering environmental, social, and economic benefits
- d) green roof - roof of a building that is partially or completely covered with vegetation and a growing medium, planted over a waterproofing membrane
- e) permeable pavement - porous urban surface which catches precipitation and surface runoff, storing it in the reservoir while slowly allowing it to infiltrate into the soil below
- f) rain garden - a garden planted in a small depression, designed to temporarily hold and soak in rain water runoff

III. Apply what you learned

[Stormwater Game](https://stormwater-game.herokuapp.com) (stormwater-game.herokuapp.com)

- Instructions are included in game
- You can play more than once!
- Try to see what score you get and compare your score with your friends' scores!

