

## Solutions

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Each answer shows the steps, then the **result**.

### 2.1

- It lets water pass through into the ground instead of running off

### 2.2

- A planted depression that collects and absorbs runoff

### 2.3

- Any one: absorbs rain (less runoff), cools the building, reduces heat island

### 3.1 B

- soak into the ground

### 3.2

(a)

- They increase infiltration so less water runs off (less flooding), and soil/plants filter pollutants before the water reaches rivers

(b)

- Impervious surfaces causing runoff

### 3.3

- The vegetation absorbs rainwater (reducing runoff) and cools the air through shade and transpiration, lowering the urban heat island effect