**Guided Notes: Urban Greening**

Urban \_\_\_\_\_\_\_\_\_\_\_\_ spaces provide important environmental, economic, and health benefits to cities and their residents.

**Key Concepts:**

• Green space refers to land partly or completely covered with \_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_, or other vegetation.

• Benefits of urban green spaces include:

- Environmental: Reduce \_\_\_\_\_\_\_\_ and air pollution, produce \_\_\_\_\_\_\_\_, reduce greenhouse gases

- Economic: Increase property \_\_\_\_\_\_\_\_, reduce energy costs, absorb \_\_\_\_\_\_\_\_

- Health: Provide locations for \_\_\_\_\_\_\_\_, reduce \_\_\_\_\_\_\_\_ levels

• Challenges of urban green spaces:

- Determining \_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_, and type of space

- Lack of available \_\_\_\_\_\_\_\_ in cities

- Costs of \_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_

• Singapore's "Garden City" plan aims to:

- Increase park space to \_\_\_\_\_\_\_\_ square miles by 2030

- Have 90% of households within a \_\_\_\_\_\_\_\_-minute walk of a park

- Add \_\_\_\_\_\_\_\_ community gardens

- Increase building greenery by \_\_\_\_\_\_\_\_%

• Green roofs:

- \_\_\_\_\_\_\_\_ green roofs have shallow soil and low-growing plants

- \_\_\_\_\_\_\_\_ green roofs have deeper soil and can support larger plants

- Layers include plants, growing medium, \_\_\_\_\_\_\_\_, drainage, root barrier, and waterproof membrane

**Real World Examples:**

1. Your school could add a small green roof garden to grow vegetables for the cafeteria.

2. You could start a neighborhood project to convert an empty lot into a community garden.

**Word Bank:**

green

grass

trees

shrubs

noise

oxygen

values

rainwater

exercise

stress

size

placement

space

creation

maintenance

18.3

10

2000

178

Extensive

Intensive

filter cloth