

1 These days a green building means more than just the color of the paint. Green building can also refer to environmentally friendly houses, factories, and offices.

2 Green building means “reducing the impact of the building on the land,” Taryn Holowka of the U.S. Green Building Council in Washington, D.C., said.

3 According to Holowka, buildings account for 65 percent of total U.S. electricity use.

4 But green buildings can reduce energy and water use. Also, the buildings are often located near public transportation such as buses and subways, so that people can drive their cars less. That could be good for the environment, because cars use lots of natural resources, such as gasoline, and give off pollution.

5 Green buildings are often built on previously developed land, so that the buildings don’t destroy forests or other wild habitats.

6 Marty Dettling is project manager for a building that put these ideas into action. The Solaire has been called the country’s first green residential high-rise building.

7 According to Dettling, “We’ve reduced our energy consumption by one-third and our water by 50 percent.”

8 The Solaire cuts energy in part by using solar power.

9 “On the face of the building we have what are called solar panels. The solar panels absorb the sun’s energy and convert it to electricity,” Dettling explained.

10 The Solaire also has lights that automatically turn off when people leave the room. Plus, the building has lots of windows. This allows people to use the sun for light instead of lamps during the day.

11 The Solaire cuts water by re-using it. The building takes water from the sink and shower and puts it in the toilets.

12 While not everyone lives in a green building, Holowka said that kids can help make “regular” homes greener. You can recycle, turn off the water faucet when you’re not using it, and turn off lights when you’re not in the room.

1. Based on information in the selection, what is one benefit of constructing green buildings?

___A. Green buildings account for 65 percent of American electricity use.

___B. Green buildings are built using recycled materials.

___C. Green buildings preserve natural habitats.

___D. Green buildings cost less to build.

2. “Also, the buildings are often located near public **transportation** such as **buses** and subways” (Paragraph 4)

Based on the way the words **transportation** and **buses** are used in the sentence above, which word pair completes the analogy?

TRANSPORTATION : BUSES ::

- A. sun : light
- B. color : green
- C. subways : cars
- D. recycle : energy

3. “According to Dettling, ‘We’ve reduced our energy **consumption** by one-third and our water by 50 percent.’” (Paragraph 7)

Which sentence from the selection helps the reader determine the meaning of **consumption**?

- A. “Green building means ‘reducing the impact of the building on the land’”
- B. “But green buildings can reduce energy and water use.”
- C. “‘The solar panels absorb the sun’s energy and convert it to electricity,’ Dettling explained.”
- D. “The building takes water from the sink and shower and puts it in the toilets.”

4. Which sentence describes how this selection is organized?

- A. It follows how something develops over time.
- B. It introduces an idea and includes an example of that idea.
- C. It describes a topic and gives pros and cons about that topic.
- D. It explains the causes and effects that occur when something changes.

Short Answer/Extended Response.

5. Describe two characteristics of the Solaire that qualify it as a green building
