

Assessment for ASEEN Green Building Curriculum

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Name: _____

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Grade: _____

1) Answer: _____

In the early twentieth century, which of the following technologies was utilized to control the interior temperature of a building?

- A. Deep-set windows
- B. Retractable awnings
- C. A and B
- D. None of the above

2) Answer: _____

Geothermal systems utilize ____ to circulate in a loop to exchange heat between a building, the ground source heat pump, and the earth, providing heating, cooling, and hot water.

- A. Oil
- B. Water
- C. Mercury
- D. Ammonium phosphate

3) Answer: _____

Geothermal systems use ____ to exchange heat between a building and the earth.

- A. Pipes
- B. Loops
- C. Wires
- D. Tubes

4) Answer: _____

Studies have found that:

- A. Green buildings sell at a higher price
- B. Green buildings command higher rent premiums
- C. Green buildings are more attractive to tenants
- D. All of the above

5) Answer: _____

When installed in a building, geothermal systems are used for:

- A. Heating
- B. Cooling
- C. Heating and cooling
- D. Producing electricity

6) Answer: _____

How many levels of LEED certification are there?

7) Answer: _____

During the _____, geothermal heating and cooling systems absorb heat stored in the ground and transfer it to your home.

- A. Spring
- B. Fall
- C. Winter
- D. Summer

8) Answer: _____

"Earth Day" was first celebrated in April of _____.

- A. 1950
- B. 1960
- C. 1970
- D. 1980

9) Answer: _____

The "green" and "renewable energy" movement _____ the OPEC oil embargo of 1973.

- A. accelerated after
- B. slowed down after
- C. was unaffected by
- D. failed because of

10) Answer: _____

During the _____, geothermal heating and cooling systems absorb heat from your home and transfer it to the earth.

- A. Spring
- B. Fall
- C. Winter
- D. Summer

11) Answer: _____

The program established by the U.S. Green Build Council to award points for implementing green building techniques is known as:

- A. LEAD
- B. LEED
- C. NEED
- D. GREEN

12) Answer: _____

Green buildings are designed to reduce the impact of the built environment on human health and the natural environment.

- A. True
- B. False

13) Answer: _____

A green design technique is to use _____ instead of concrete or asphalt to enhance replenishment of ground water.

- A. packed gravel
- B. permeable concrete
- C. marbles
- D. A or B

14) Answer: _____

Geothermal heating and cooling systems exploit the fact that relative to ambient temperature, as you dig up to hundreds of feet into the earth, the earth's temperature _____.

- A. is warmer
- B. is cooler
- C. is constant
- D. fluctuates

15) Answer: _____

In green building design, glazed solar collectors are used for:

- A. Space heating
- B. Space cooling
- C. Space heating and cooling
- D. To generate electricity

16) Answer: _____

Which of the following represents the largest energy consumption for a residential site?

- A. Water heating
- B. Electronics
- C. Space cooling
- D. Space heating

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