

## Gorell ENERGY STAR Evaluation

1

Which government agency introduced the ENERGY STAR program?

- Department of Energy
- Department of Defense
- Environmental Protection Agency
- Federal Bureau of Investigation

2

The ENERGY STAR label is NOT displayed on what product category?

- Appliances
- Lighting
- Furniture
- Electronics

3

In what year was the ENERGY STAR windows program created?

- 1992
- 1996
- 1997
- 1999

4

The insulating properties of the \_\_\_\_ determine whether or not a window can be ENERGY STAR labeled.

- Frame

- Glass
- Spacer system
- All of the above

5

Which of the following benefits do ENERGY STAR qualified windows and doors provide?

- Enhanced comfort
- Reduced UV light
- Lower energy costs
- All of the above

6

ENERGY STAR qualified windows can significantly reduce home energy costs because heat gain and loss through windows account for up to \_\_ percent of a home's heating and cooling needs.

- 40
- 50
- 50
- 70

7

ENERGY STAR qualified windows can only be constructed of vinyl.

8

Which of the following window styles can qualify for the ENERGY STAR label?

- Double-hung

- Sliding
- Casement
- Picture
- All of the above

9

Which type of windows are typically the most air tight -- and therefore most likely to qualify for the ENERGY STAR label?

- Casement
- Awning
- Double-hung
- Picture

10

Windows that incorporate grids can not qualify for the ENERGY STAR label.

11

Which two odorless, colorless, non-toxic gases are often used to improve a window's insulating qualities?

- Krypton
- Carbon
- Nitrogen
- Argon

12

This reflects the measurement of the rate of heat gain through a product and tells you how well the product blocks heat caused by sunlight.

- U-Value
- Solar Heat Gain
- Visible Light Transmittance
- Air Leakage

13

Solar Heat Gain is generally expressed as a number between:

- 0 and 1
- 1 and 2
- 1 and 5
- None of the above

14

Blocking Solar Heat Gain is particularly important during what time of the year?

- Spring
- Summer
- Fall
- Winter

15

The higher a product's U-Value, the lower the heat loss.

16

U-value indicates the:

- Rate of heat loss
- Rate of heat gain
- Amount of light
- Rate of air passage

**17**

To arrive at a \_\_, as many as 20 different locations on a product are tested.

- Whole-product U-value
- Center-of-glass U-value
- R-value

**18**

Whole-product U-values are the only form of measurement accepted by the ENERGY STAR program for determining whether products qualify for the label.

**19**

An R-value of 8 is equal to a U-value of:

- 0.125
- 0.25
- 0.8

**20**

An R-value of 4 is equal to a U-value of:

- 0.14
- 0.25

0.40

**21**

How many climate zones are there in the ENERGY STAR criteria for residential windows and doors?

6

3

4

9

**22**

To qualify in the Northern climate zone, windows must achieve a U-value of:

0.65 or less

0.40 or less

0.35 or less

**23**

To qualify in the South/Central climate zone, windows must achieve a SHGC of:

0.40 or less

0.55 or less

Any

**24**

Both the North/Central and the South/Central climate zones are considered:

Mostly heating

- Heating and cooling
- Mostly cooling



Use with question 25.

**25**

The above logo is an example of the ENERGY STAR

- Promotional Mark
- Partnership Mark
- Certification Mark
- Linkage Phrase Mark



Please use with question 26.

**26**

The above logo is an example of the ENERGY STAR:

- Promotional mark
- Partnership mark
- Certification mark
- Linkage phrase mark



Please use with question 27.

27

The above logo is an example of the ENERGY STAR:

- Promotional mark
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- Linkage phrase mark

28

What ENERGY STAR mark should Gorell dealers use in marketing materials if they are not an ENERGY STAR partner?

- Certification Mark
- Linkage Phrase Marks
- Promotional Mark
- Partnership Mark

29

The ENERGY STAR name should always appear in capital letters.

YES  NO

30

Which of the following phrases is correct?

- "ENERGY STAR compliant"
- "ENERGY STAR certified"
- "ENERGY STAR qualified"

## Gorell ENERGY STAR Evaluation Part 2

1

ENERGY STAR products saved \_\_\_ billion in energy costs last year.

- 5 billion
- 9 billion
- 14 billion
- 20 billion

2

Last year, ENERGY STAR products helped Americans save enough money to power \_\_\_ million homes.

- 10
- 20
- 25
- 30

3

ENERGY STAR windows can save homeowners \$125-340 per year when replacing single-pane windows.

YES  NO

4

How much more (per year) will homeowners save with ENERGY STAR qualified windows than double-pane clear glass replacement windows?

- \$20-70
- \$40-90
- \$100-125

5

What is the URL for the ENERGY STAR web site?

- www.energystar.com
- www.energystar.gov
- www.energystar.org

6

Please complete the following:

Name:

Company:

Address:

City:  State:  Zip:



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