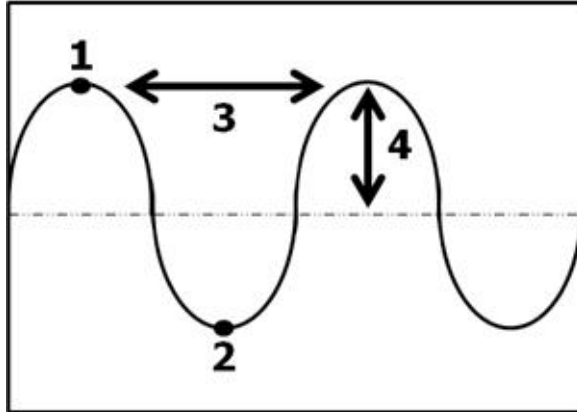


1

**What is Point 1?**

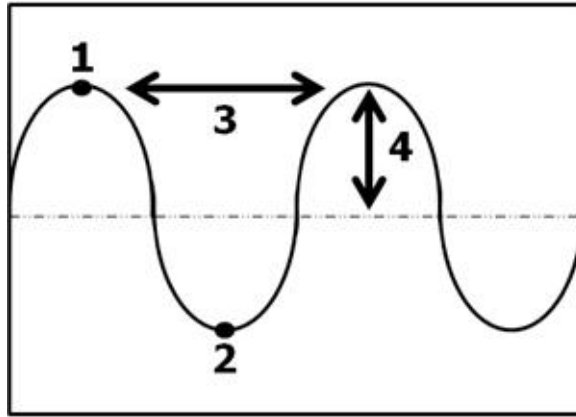
- A Crest
- B Height
- C Trough
- D Wavelength

2 **The low point of a wave is the —**

- F crest
- G length
- H peak
- J trough

3 **Which best describes light?**

- A A compression wave
- B A form of energy
- C An empty vacuum
- D A black color



What is indicated by number 3?

- F Crest
- G Wavelength
- H Trough
- J Peak

5 Which part of the spectrum has the longest wavelength?

- A Blue
- B Yellow
- C Red
- D Orange

6 Which is the correct order of the colors of the visible light spectrum?

- F Red, orange, yellow, green, blue, and violet
- G Green, blue, violet, red, orange, and yellow
- H Orange, yellow, green, blue, violet, and red
- J Red, orange, green, blue, violet, and yellow

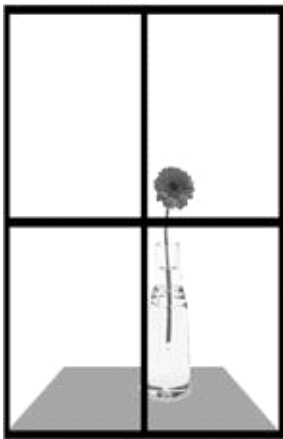
7 Which statement is true?

- A Light can be absorbed.
- B Light does not travel.
- C Light cannot pass through transparent objects.
- D Light is able to travel through opaque objects.

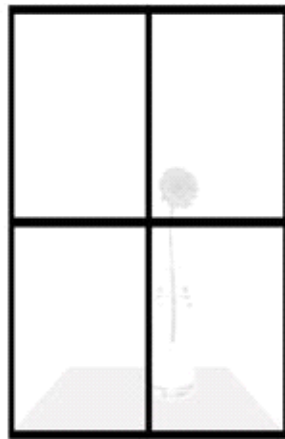
8 Which building supply is usually NOT opaque?

- F Bricks
- G Doors
- H Windows
- J Wood

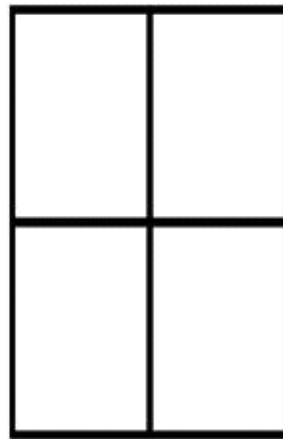
9



Window 1



Window 2



Window 3

Which window is transparent?

- A None of them
- B Window 2
- C Window 1
- D Window 3

10 **Which item will reflect the most light?**

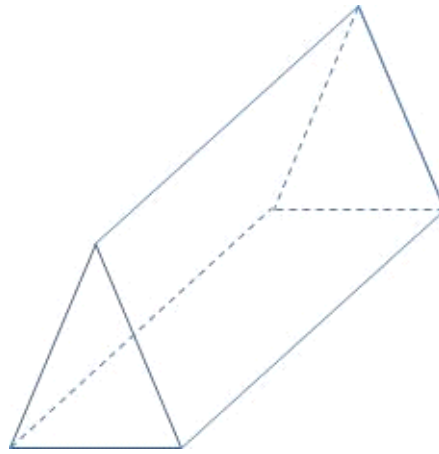
- F Prism
- G Ball
- H Wall
- J Mirror

11 **Light bouncing off an object is called —**

- A darkening
- B refracting
- C bending
- D reflecting

12 **A white shirt reflects —**

- F all waves
- G no waves
- H black waves
- J green waves

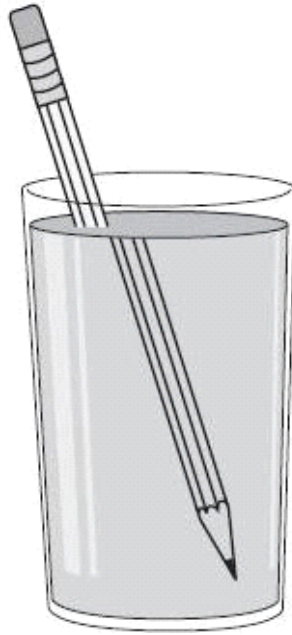


What happens when light passes through a prism?

- A Rays are bent but colors are not seen.
- B Rays are bent and colors of the visible spectrum are displayed.
- C Rays remain in straight lines and change is unnoticeable.
- D Rays do not bend but colors can be seen.

14 Light bending as it passes through a prism is an example of —

- F deflection
- G transparent
- H refraction
- J reflection



Students place a pencil in a glass of water as shown. The pencil in the water looks broken because —

- A water can dissolve pencils
- B water is colder than air
- C light is absorbed when it hits the glass
- D light bends when it enters the water