



Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

1 What is the kind of light being produced by a **laser pointer**?

- A incoherent
- B bright
- C diffused
- D coherent



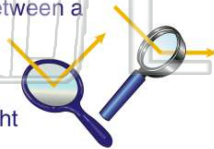
2 All the light produced by the device below has the **same wavelength**. This device is called a \_\_\_\_\_.

- A beam
- B ray
- C laser
- D flashlight



3 What is the difference between a **mirror** and a **lens**?

- A a mirror reflects light and a lens refracts light
- B a lens and a mirror both reflect light
- C a lens and a mirror both refract light



4 What is the difference between **reflection** and **refraction**?

- A with reflection, light rays bend; with refraction, light bounces back
- B with refraction, light rays bend; with reflection, light bounces back
- C reflection is can occur, but



## PREVIEW

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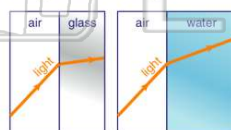
7 A lens, but no mirror  
B lenses, but no mirror  
C a mirror, but no lenses  
D neither a lens, nor a mirror



- A not a mirror
- B not a mirror
- C a lens and a mirror
- D a lens, but no mirror



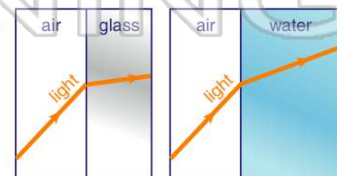
9 In the diagram below, light is **passing through** three different materials. What is **happening** to the **light** as it goes through these materials?



- A it is being reflected
- B it is being deflected
- C it is being refracted
- D it is being diffused

10 In the diagram below, which of the substances **refracts** light the **most**?

- A moisture
- B air
- C water
- D glass





## ANSWER KEY

What is the kind of light being produced by a **laser pointer**?

- A incoherent
- B bright
- C diffused
- D coherent



(d)

All the light produced by the device below has the **same wavelength**. This device is called a \_\_\_\_\_.

- A beam
- B ray
- C laser
- D flashlight



(c)

What is the difference between a **mirror** and a **lens**?

- A a mirror reflects light and a lens refracts light
- B a lens and a mirror both reflect light
- C a lens and a mirror both refract light
- D a lens reflects light and a mirror



(a)

What is the difference between **reflection** and **refraction**?

- A with reflection, light rays bend; with refraction, light bounces back
- B with refraction, light rays bend; with reflection, light bounces back
- C reflection is can occur, but refraction cannot
- D refraction is can occur, but reflection cannot

(b)



## PREVIEW

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- C a mirror, but no lenses
- D neither a lens, nor a mirror

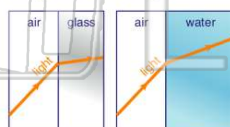


- D a lens, but no mirror



In the diagram below, light is **passing through** three different materials. What is **happening** to the **light** as it goes through these materials?

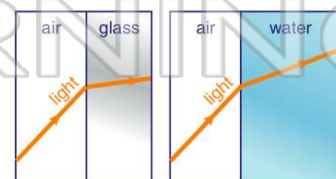
- A it is being reflected
- B it is being deflected
- C it is being refracted
- D it is being diffused



(c)

In the diagram below, which of the substances **refracts** light the **most**?

- A moisture
- B air
- C water
- D glass



(d)