



Name _____ Class _____ Date _____

1 In the diagram below, light has passed through a glass **prism** and broken up into different colors. This **breakdown** into **different colors** is called _____.

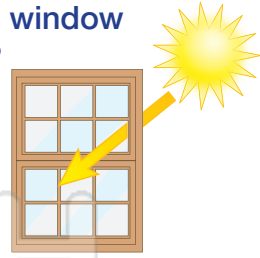
Circle the answer.

- reflection refraction
- transmission fracture



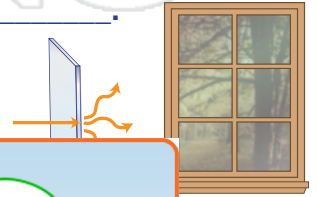
6 The diagram shows **light passing through** a window. This window has what characteristic?

- a. it is opaque
- b. it is transparent
- c. it is translucent



7 **Frosted glass** is often used to give some privacy, but **let some light through**. This type of surface is _____.

- a. transparent
- b. opaque



2 This separation of visible light into different colors occurs because these **different colors** of light have **different** _____.

visible light

3 A
a
o
e
tra
lon
po



PREVIEW

Please [Sign In](#) or [Sign Up](#) to download the printable version of this worksheet

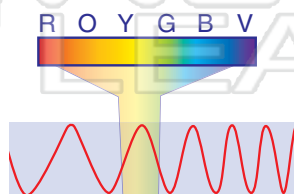
4 Circle the answer letter.

- a. 1,000 kilometers per minute
- b. 5,500 kilometers per second
- c. 300,000 kilometers per second



- a. black reflects all the wavelengths of visible light
- b. white absorbs all the wavelengths of visible light
- c. white reflects all visible light waves

5 Based on the diagram, which **color** of visible light has the **shortest wavelength**? Name it.



10 **Ultraviolet rays** can cause a person's skin to **tan**. It can also cause **skin cancer**. True or false?





Name _____ Class _____ Date _____

1 In the diagram below, light has passed through a glass **prism** and broken up into different colors. This **breakdown** into **different colors** is called _____.

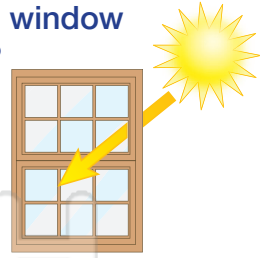
Circle the answer.

- reflection
- refraction
- transmission
- fracture



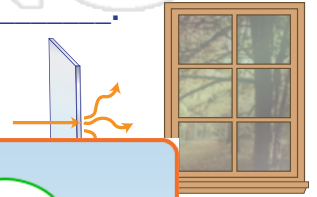
6 The diagram shows **light passing through** a window. This window has what characteristic?

- a. it is opaque
- b. it is transparent
- c. it is translucent



7 **Frosted glass** is often used to give some privacy, but **let some light through**. This type of surface is _____.

- a. transparent
- b. opaque



2 This separation of visible light into different colors occurs because these **different colors** of light have **different** _____.

visible light



PREVIEW

Please [Sign In](#) or [Sign Up](#) to download the printable version of this worksheet

4 Circle the answer letter.

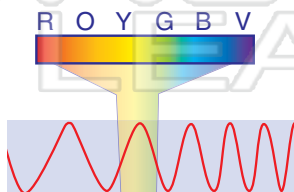
- a. 1,000 kilometers per minute
- b. 5,500 kilometers per second
- c. 300,000 kilometers per second



- a. black reflects all the wavelengths of visible light
- b. white absorbs all the wavelengths of visible light
- c. white reflects all visible light waves

5 Based on the diagram, which **color** of visible light has the **shortest wavelength**? Name it.

violet



10 **Ultraviolet rays** can cause a person's skin to **tan**. It can also cause **skin cancer**. True or false?

true

