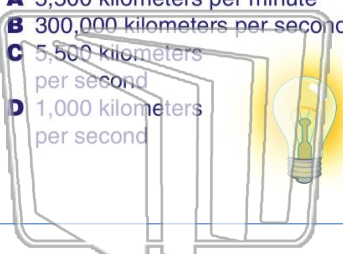




Name _____ Class _____ Date _____

1 What is the **speed** at which light travels?

A 5,500 kilometers per minute
 B 300,000 kilometers per second
 C 5,500 kilometers per second
 D 1,000 kilometers per second



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

A reflection
 B transmission
 C refraction
 D diversion



3 In the diagram below, visible light has been **refracted** into different colors. This **separation occurs** because these different

4 In the diagram below a **rainbow** has formed. What is the cause

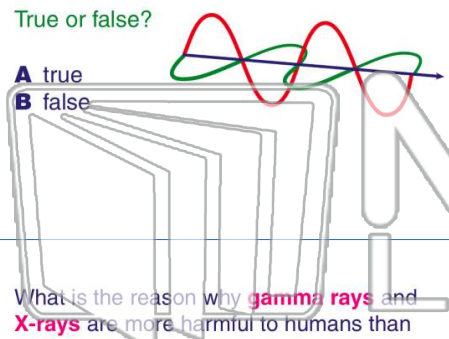


PREVIEW

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

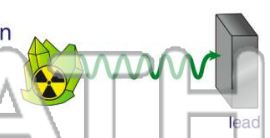
7 True or false?

A true
 B false



the human body causing **severe damage**?

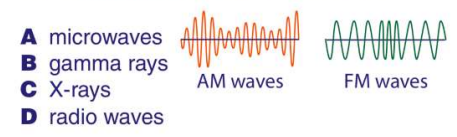
A visible light
 B alpha radiation
 C gamma rays
 D radio waves



9 What is the reason why **gamma rays** and **X-rays** are more harmful to humans than radio waves?

A they have lower frequencies but more energy
 B they have higher frequencies and more energy
 C they have more amplitude
 D they are less penetrating

10 These waves have the **longest wavelengths** and the **lowest frequencies** on the electromagnetic spectrum. What **kind of waves** are shown here?

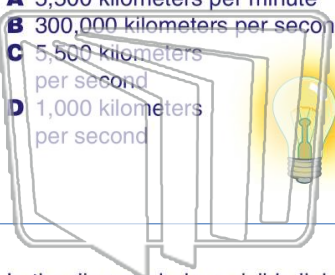




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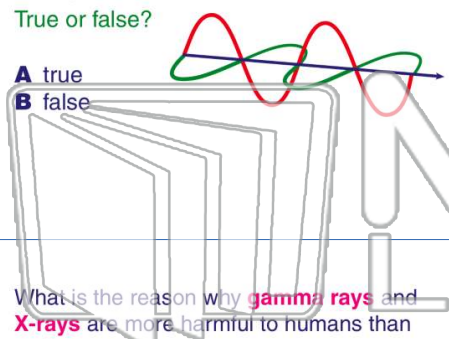


PREVIEW

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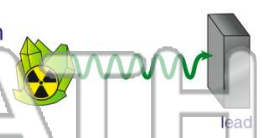
7 True or false?

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8 _____ the human body causing **severe damage**?

A visible light
 B alpha radiation
 C gamma rays
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10 These waves have the **longest wavelengths** and the **lowest frequencies** on the electromagnetic spectrum. What **kind of waves** are shown here?

A microwaves
 B gamma rays
 C X-rays
 D radio waves

