



Name: _____

LIGHT AND COLOR

1. White light is actually made up of what colors?

2. The term "Full Spectrum" is used to describe all of the colors that make up a rainbow. They are all of the colors that exist. What are these seven colors?

3. If you mix all of these colors together, what color would you get? _____

4. When you see a red apple, why does it look red? _____

5. When you see a blue car, what color is being reflected? _____

What colors are being absorbed? _____

6. Why might it be smarter for you to wear a white t-shirt rather than a black t-shirt on a hot, sunny day?

7. What colors do a white shirt reflect? _____

8. The color of an object is the color of the light that the object _____ .

9. Why might someone want to have smoke in the air at a laser show?

10. When colors are absorbed, the light changes into _____ .



Name: _____

LIGHT AND COLOR

1. White light is actually made up of what colors?

All of the colors of the rainbow.

2. The term "Full Spectrum" is used to describe all of the colors that make up a rainbow. They are all of the colors that exist. What are these seven colors?

Red Orange Yellow Blue Green Indigo Violet (ROY G BIV)

3. If you mix all of these colors together, what color would you get? Black

4. When you see a red apple, why does it look red? Because red light is reflected and all of the other colors are being absorbed by the apple.

5. When you see a blue car, what color is being reflected? Blue

What colors are being absorbed? Red, orange, yellow, green, indigo and violet

6. Why might it be smarter for you to wear a white t-shirt rather than a black t-shirt on a hot, sunny day?

Because darker colors absorb more light, thus turning into heat.

7. What colors do a white shirt reflect? All of them!

8. The color of an object is the color of the light that the object reflects.

9. Why might someone want to have smoke in the air at a laser show?

Because light is invisible until something intercepts it, such as smoke.

10. When colors are absorbed, the light changes into heat.