Black, on the other hand, is the absence of reflected color. When we See a black object, it means that the object is absorbing almost all the Colors of light and none of the visible colors are reflected.

How Colors Affect Heat Absorption

Do you know that the amount of heat an object absorbs or reflects depends on its color? the more colors an object absorbs, the more heat is absorbed. The more colors an object reflects ,The more heat is reflected. Thus, objects that absorb more colors also absorb more heat, making Them hotter than the things that absorb less colors or reflect more colors.

When a colored fabric absorbs light, it turns the light into thermal energy freed), the more light the fabric absorbs, the more thermal energy it produces. Black if bits absorbs all the colors of the light and is therefore warmer than white fabric which reflects an colors. The colors of the **Spectrum** appearing the darkest and most like black (violet (i) digo, and green or brown) will produce the most thermal energy of club other colors (rec. Cong., And yellow) will produce the Least thermal energy of club other appear lighter remained with the Take black for example. Since black is the absence of all coors, it does not reflect any of the color but rather absorbs all of them. Thus, black absorbs the

most heat because it absorbs all the colors. The more colors are absorbed, the more light is absorbed. And since more light Is absorbed, more heat is also absorbed since light is a form of energy.

White, on the other hand, is the presence of all colors. White, therefore, reflects all the colors And does not absorb any of it. The less light is absorbed, the less heat is absorbed. So during warm days, it is Wise to wear white because it absorbs less heat and is more comfortable to wear.

Ex. Green leaf because all the other colors of light are absorbed and green is reflected by the leaf.