THE EFFECTS OF UV ON A HUMAN BODY

WHAT IS UV?

Energy from the sun reaches the earth as visible, infrared, and ultraviolet (UV) rays. Ultraviolet A (UVA) is made up of wavelengths 320 to 400 nm (nanometers) in length. Ultraviolet B (UVB) wavelengths are 280 to 320 nm. Ultraviolet C (UVC) wavelengths are 100 to 280 nm.

Only UVA and UVB ultraviolet rays reach the earth's surface. The earth's atmosphere absorbs UVC wavelengths. UVB rays cause a much greater risk

But UVA rays also cause aging, wrinkling, and loss of elasticity. UVA also increases the damaging effects of UVB, including skin cancer and cataracts.



skin cancers comprise basal cell carcinomas and squamous cell

carcinomas. These are rarely lethal but surgical treatment is painful and often disfiguring.

Ŋ

Malignant melanoma A large number of atypical nevi (moles) is the strongest risk factor for malignant melanoma in fair-skinned populations.

recognizing and esponding to an invading microorganism or thé ohset of a umour Although the <u>d'ata remains</u> preliminary, there is increasing <u>evidence for</u> a systematic mmunosupp ressive effect of both acute and low-dose JV radiation exposure.

The installation of MicroLouvre blocks 100% of harmful UV rays while allowing an unrestricted flow of light and air.

