

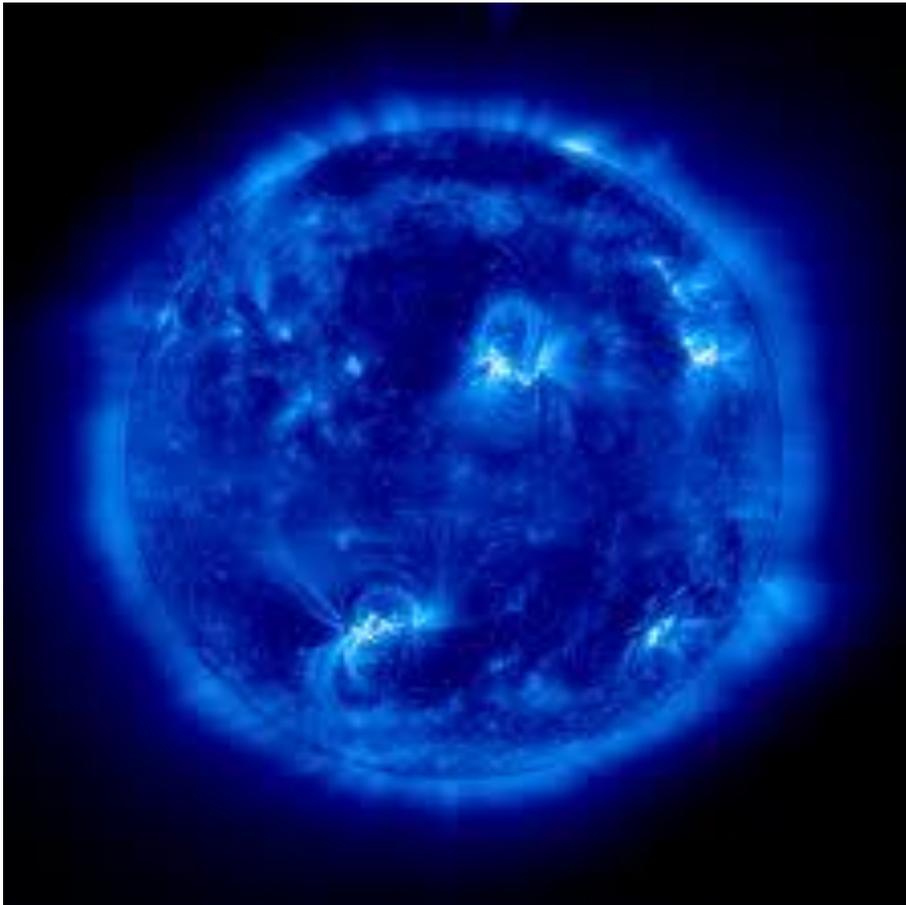
which cause of ultra violet radiation?

Solution:

Sources of ultraviolet radiation

sunlight

The most professional workers exposed to UVR exposure in the open air under the action of sunlight. The radiation energy of the sun is considerably weakened by the ozone layer of the Earth, limiting terrestrial UV radiation up to a wavelength of 290-295 nm. Energy is more dangerous short-wave (UVB) rays in sunlight is the specific function of the atmosphere and an inclined path varies depending on the season and time of day (Slynn (Slaney), 1986 and 1987 , WHO 1994).



Artificial sources

the most significant artificial sources of ultraviolet radiation that impact on people, are:

Arc welding industry. The most important source of potential UVR exposure is the radiant energy of the equipment for arc welding. Levels of ultraviolet radiation around the equipment for arc welding are very high and can cause acute injury to the eyes and skin after three - ten minutes of exposure at finding an observer at a short distance of several meters. When carrying out welding required eye protection and skin.

Industrial / working UVR lamp. Many industrial and commercial processes, such as photochemical binding inks, and plastics include the use of lamps which emit a strong light in the ultraviolet range. Although the probability of their harmful effects on humans is low due to the use of screening, in some cases there may be occasional exposure.

" Black Light " . Called black light lamps, which emit energy mainly in the ultraviolet range. They are usually used as a test method adestructive fluorescent powders to determine the authenticity of banknotes and

documents , and for special effects in commercials and discos. These lamps, influencing the person, do not cause significant harm to him (unless photosensitized skin).



Very careful with natural and artificial UV irradiation of the whole body should be the following categories of people:

Gynecological patients (ultraviolet light can increase inflammation) .

Having a large number of moles on the body, or parts of clusters of birthmarks , moles or large

Lechivshimsya from skin cancer in the past

Working for a week in the room, and then a long weekend sunbathing

Living or resting in the tropics and subtropics

Having freckles or burns

Albino , blond , fair-haired and red-haired people

Having among close relatives of patients with skin cancer , especially melanoma

Living or resting in the mountains (every 1,000 meters above sea level, add 4 % - 5 % of the solar activity)

Long- abiding , for various reasons , in the open air

Transplant of an organ

Those who suffer from certain chronic diseases , such as systemic lupus erythematosus

Receiving the following medications :

Antibacterial (tetracycline's , sulfonamides and some others)

Non-steroidal anti-inflammatory agents , such as Naproxen

Fenotiazidy used as a means of calming and antimigraine

tricyclic antidepressants

Group of thiazide diuretics such as hydrochlorothiazide

Sulphonylurea tablets, lowering blood glucose

Immunosuppressive