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Living in LA Campaign

Benefits of Sun Exposure



https://en.wikipedia.org/wiki/Melatonin

Vitamin D

Serotonin

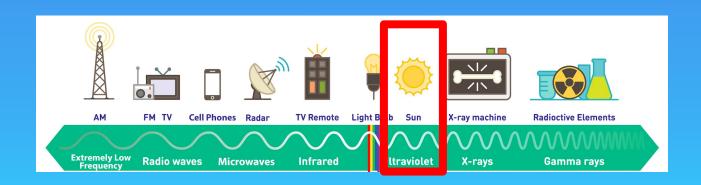
Melatonin

https://en.wikipedia.org/wik<mark>i/V</mark>itamin_D

https://en.wikipedia.org/wiki/Serotonin

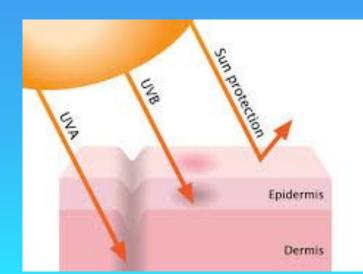


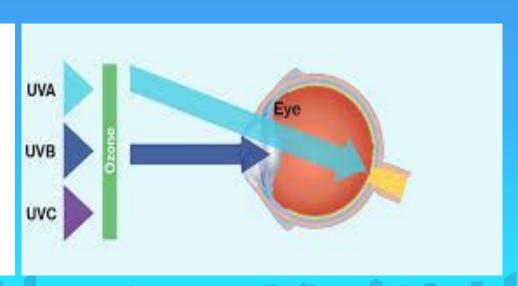






UVA	Weakest, but penetrates the most deeply into the skin and eyes	Long term skin damage (wrinkles), some skin cancers, macular degeneration
UVB	More energy than UVA, mostly absorbed by ozone layer, hits the surface of skin and eyes	Sunburns, most skin cancers, corneal problems, distorted vision, photokeratitis, cataracts
UVC	Highest energy, absorbed by ozone layer	Not much of a concern





https://www.uvex-safety.co.uk/en/how-uv-rays-can-damage-eyes/

Sun Protection











Shade

- Stay out of the sun
- Sunlight is the strongest during midday hours
 - Around 10am to 4pm
- https://www.epa.gov/enviro/uv-index-search



https://www.animassurg ical.com/the-uv-index-a nd-why-you-should-care -about-it/

Sun Protection - Indoors





Clothing

- Serves as a physical barrier between the sun and your skin
- Long sleeves and pants that cover bare skin
- Hats with a wide brim that provides shade for head, face, and neck









- Sunscreen: chemically absorbs UV rays
- Sunblock: sits on the skin to block UV rays
- Everyone should wear sunscreen!!!



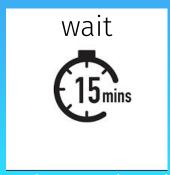


https://www.today.com/health/top-10-sunburn-soothing-products-according-dermatologists-t132623

https://miiskin.com/skin-cancer/



- SPF: sun protection factor
 - SPF 30 = protects against 97% of UVB rays
 - SPF 50 = protects against 98% of UVB rays
- Broad Spectrum: protects against both UVA and UVB





Reapply after going in the water and excessive sweating

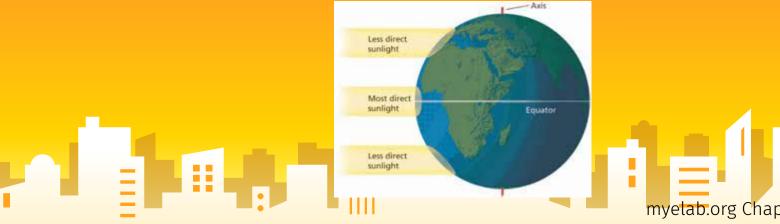


- Darker lenses DOES NOT equal more sun protection!
- Lenses need to have UV coating applied to them
 - If labeled as UV protecting, it should block at least 99% of UVA and UVB rays
 - Higher quality sunglasses probably do offer better sun protection



Sun exposure in LA vs other places

- Very sunny city!
 - 284 days a year of sun on average, US average is 205
- Close to the equator more direct sunlight





Conclusion

- While sunlight has benefits, it is important to protect yourself from UV rays
- The best forms of sun protection are shade, clothing, sunscreen, and sunglasses
- Everyone should use SPF 30 sunscreen every day, reapplying every 2 hours, even when indoors





Sources

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