



SKINMEDICA
FLAGSHIP PRODUCTS

THE
LUMIVIVE™ SYSTEM

Circadian Rhythm based
Broad Antioxidant Protection
FOR SKIN THAT THRIVES

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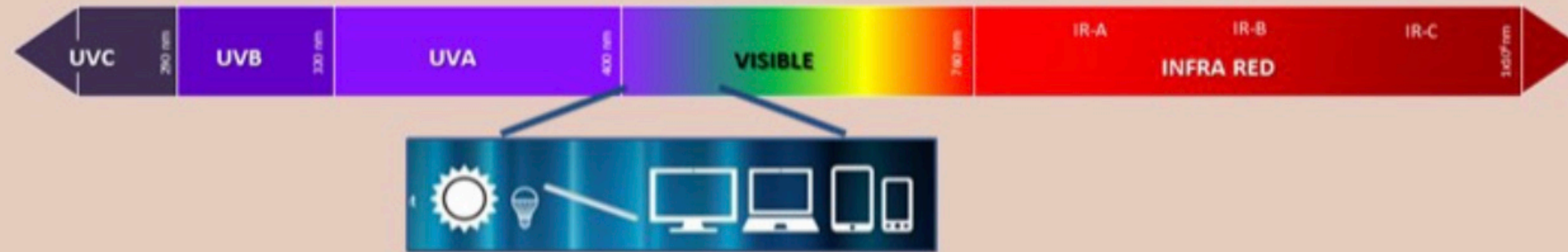
LIGHT SPECTRUM

Solar radiation results in skin damage and extrinsic skin aging

Effects of UVA and UVB are well known

More recent research focus on infra-red and visible light

Therapeutic use
vs.
Chronic exposure



Visible light, specifically High Energy Visible (HEV) or blue light:

Increases free radical formation

Damages extracellular matrix (ECM)

Induces pigmentation (skin types III-VI)

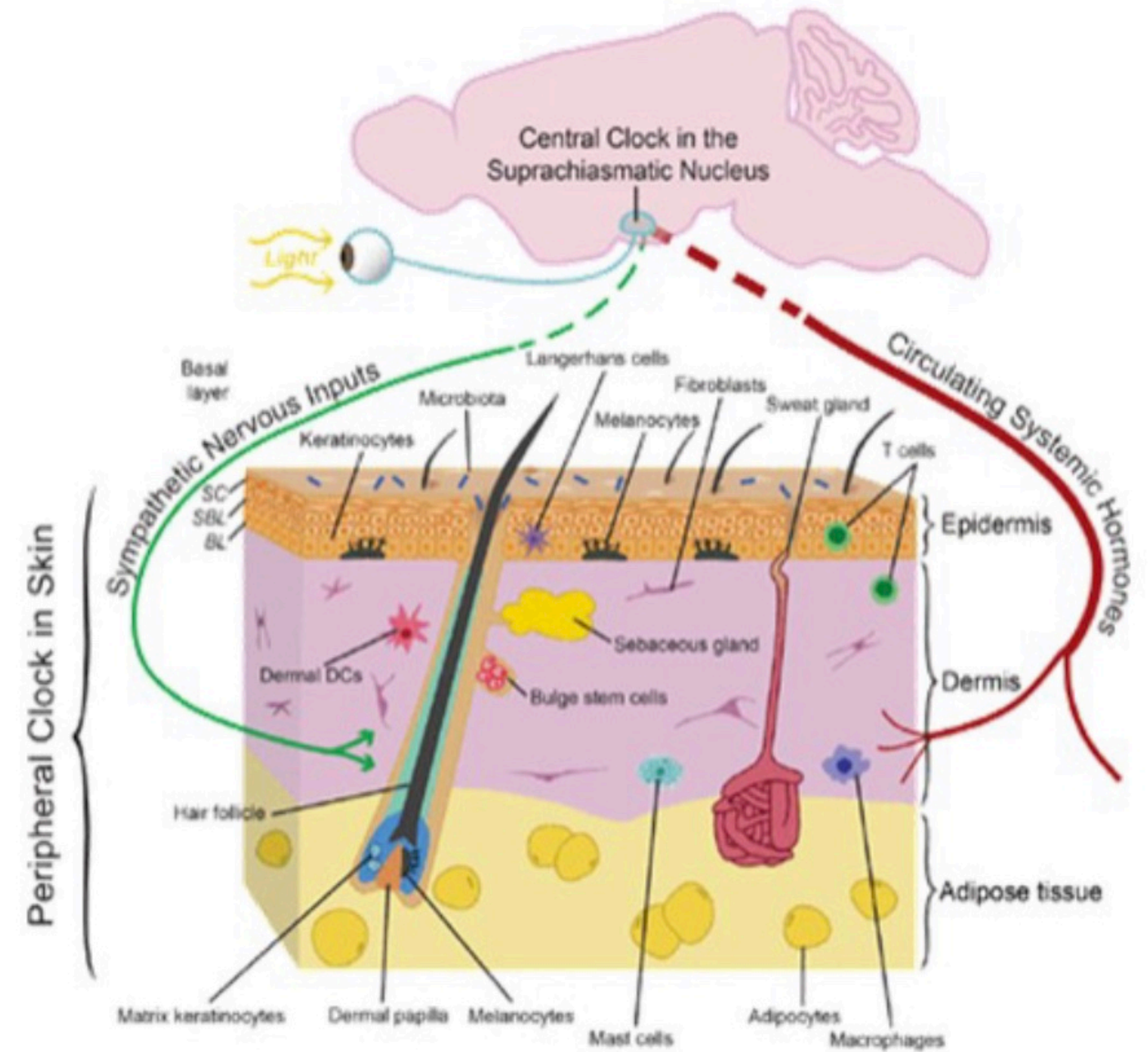
CIRCADIAN RHYTHMS IN SKIN

WHAT IS IT?

What Is It?

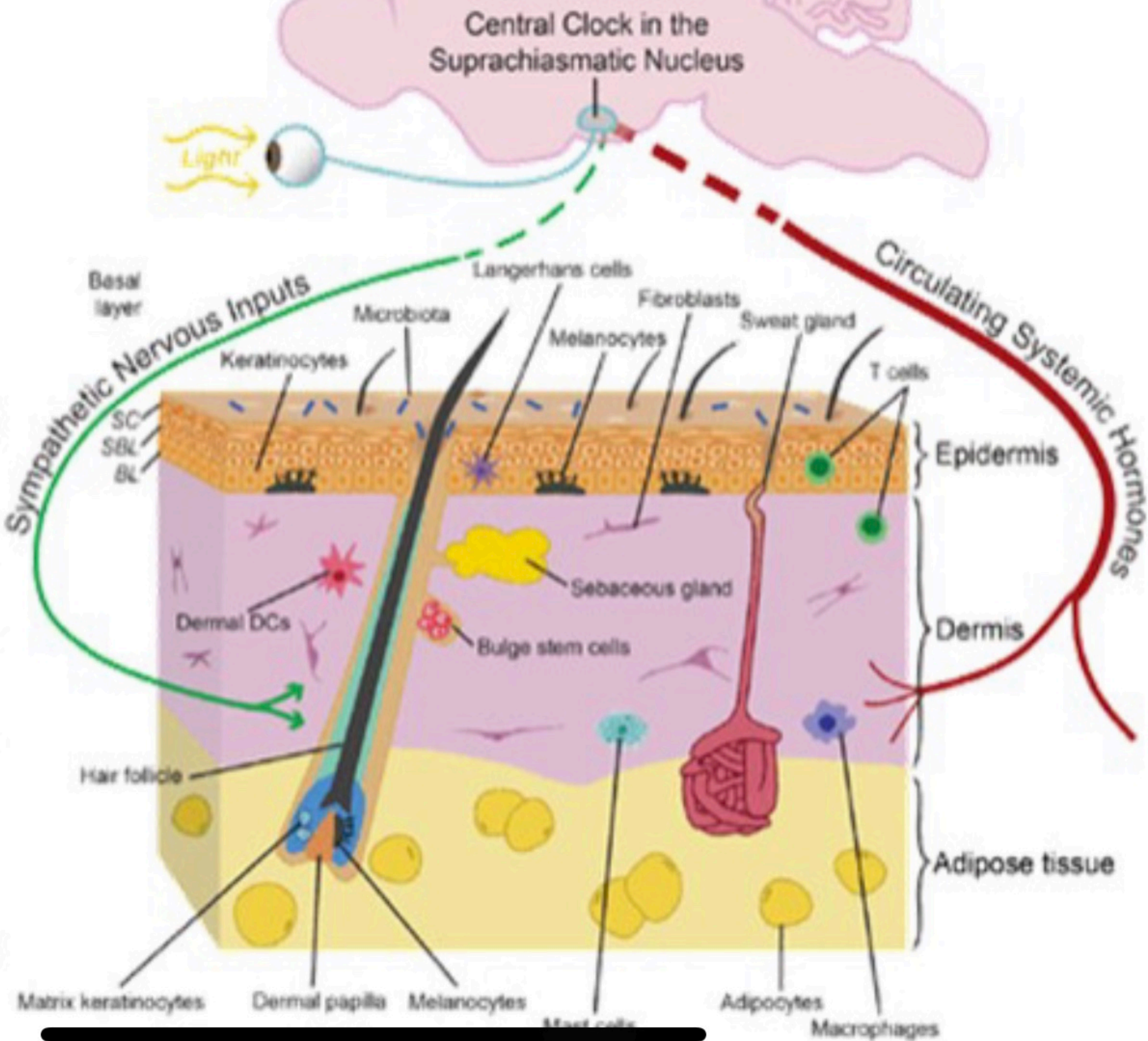
Circadian rhythms are physical, mental, and behavioral changes that follow a daily cycle. They respond primarily to light and darkness in an organism's environment. Sleeping at night and being awake during the day is an example of a light-related circadian rhythm.

https://www.nigms.nih.gov/education/pages/factsheet_circadianrhythms.aspx



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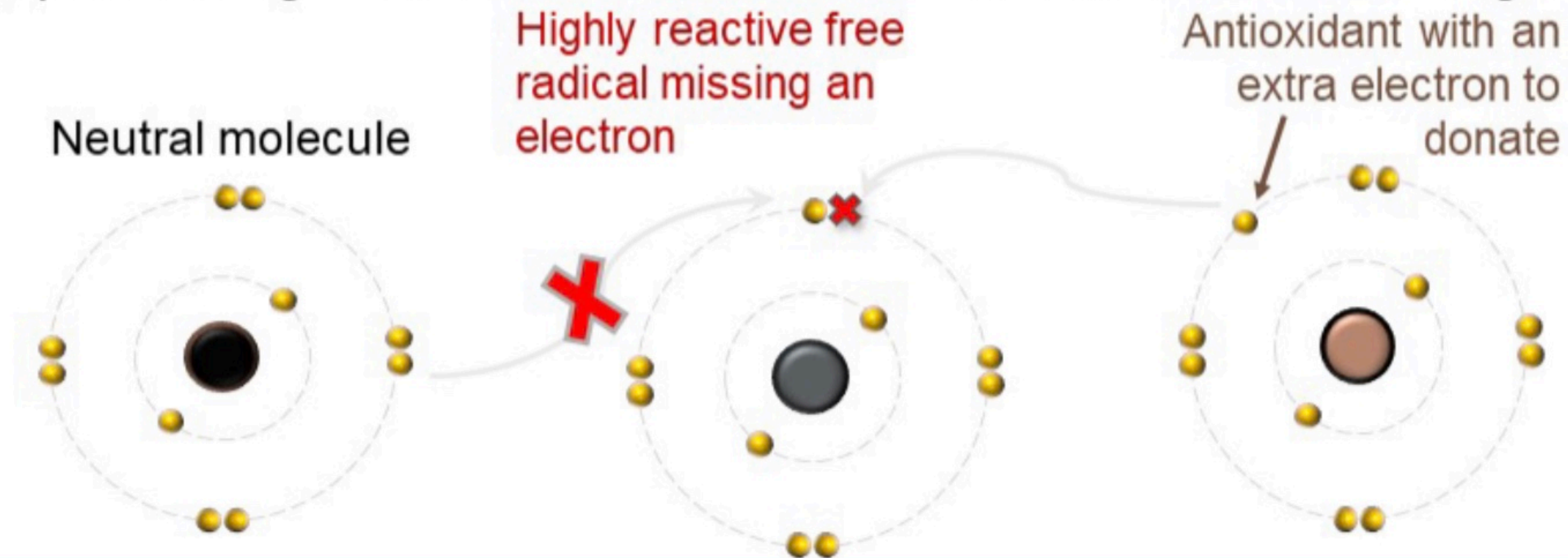
Peripheral Clock in Skin



ANTIOXIDANTS: DEFINITION AND FUNCTION

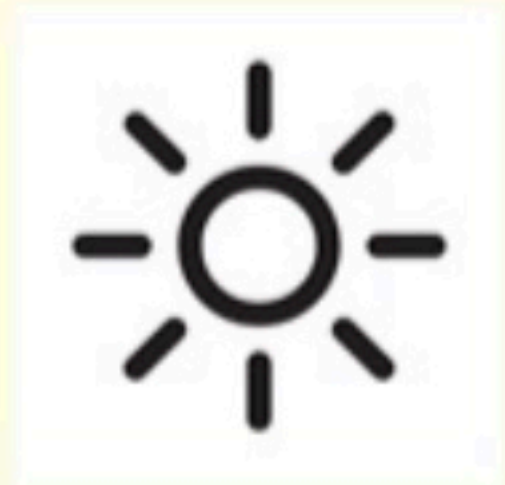
Free radicals are **highly reactive** chemical species that contain unpaired electrons. Because of their reactive nature, they can start **oxidation reactions** with surrounding molecules leading to **tissue damage**.

Antioxidants inhibit these chain reactions by donating an electron and **neutralizing free radicals**, preventing further oxidation reactions and cellular damage.



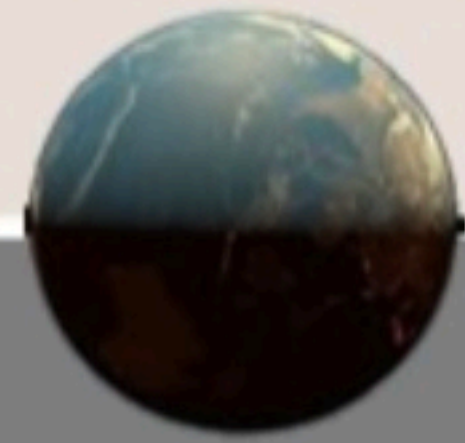
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FREE RADICAL DAMAGE: DAY VS. NIGHT



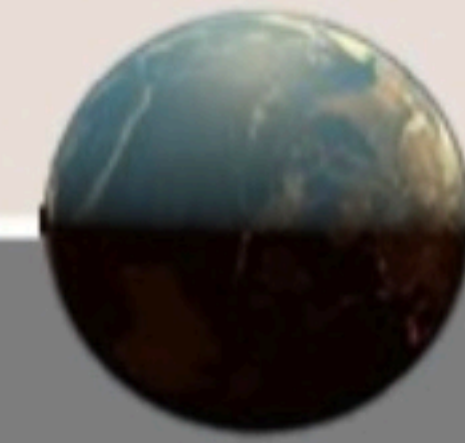
Free Radicals - Solar:

UVA, UVB
Heat, IR
Visible Light



Free Radicals - Life-Style:

Pollution - Ozone, PMs
Smoking, Chemicals
Blue Light



Free Radicals

Mitochondrial Activity
Glycolysis, Inflammation
Blue Light, Indoor Pollution

Related Toxins

Cellular &
Mitochondrial
By-products

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LUMIVIVE™ DAY

External Protection Against:

- UV-Rays
- Pollution
- IR and Heat
- Blue Light

Direct Antioxidants:

- Scavenge/Neutralize ROS
- Chelate Metal Ion
- Prevent Particulate Matter Adhesion

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LUMIVIVE DAY KEY INGREDIENTS

Potent Antioxidants Neutralize Free Radicals from EXTERNAL Aggressors



THEOBROMA
CACAO



BIOFLAVONOIDS



MARINE
BIOPOLYMERS



DUNALIELLA
SALINA



POLYGONUM
AVICULARE



PHYSALIS
ANGULATA

- Blue light protection
- Rich in peptides, saccharides, and polyphenols

- Antioxidants
- Enhance dermal bio-barrier
- Potent antioxidants

- Environmental pollution protection
- Reduces adhesion of particulate matter

- Protects against UV

- Protects against UV and Heat

- French Clary Sage extract
- Persian Silk Tree extract
- St. Paul's Wort
- Vitis Flower Stem Cell Extract

LUMIVIVE™ NIGHT

Internal Protection Against:

- Accumulated damage
- Cellular Metabolism
- Mitochondrial Free Radicals

Indirect Antioxidants:

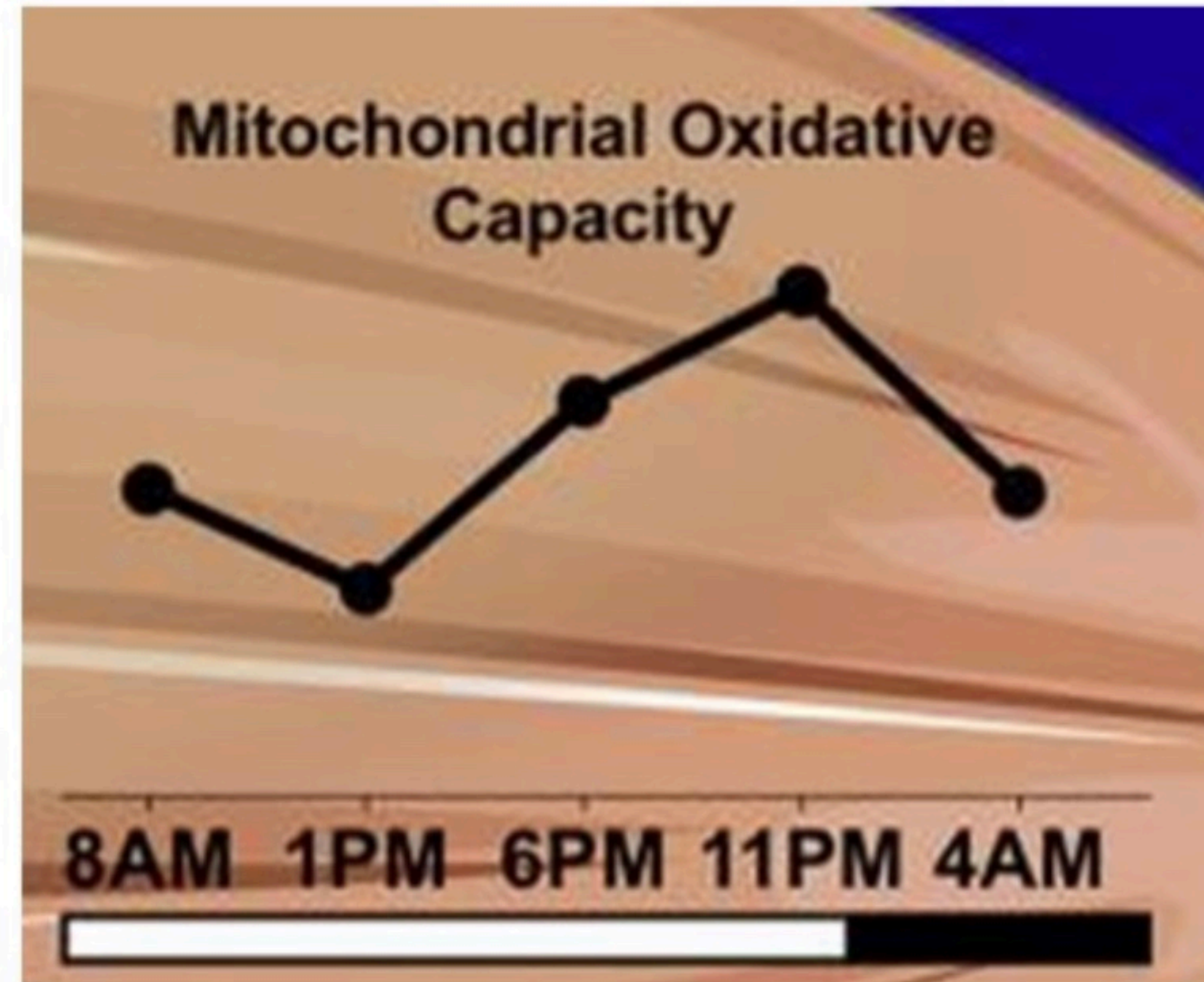
- Upregulate Intrinsic Antioxidants
- Upregulate Detoxification Enzymes
- Boost Mitochondrial Function

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MITOCHONDRIA: CIRCADIAN RHYTHM OF ACTIVITY

- Mitochondria activity is **highest at night**.
- At night, skin cells increase regenerative mechanisms that repair the damage sustained during the day.



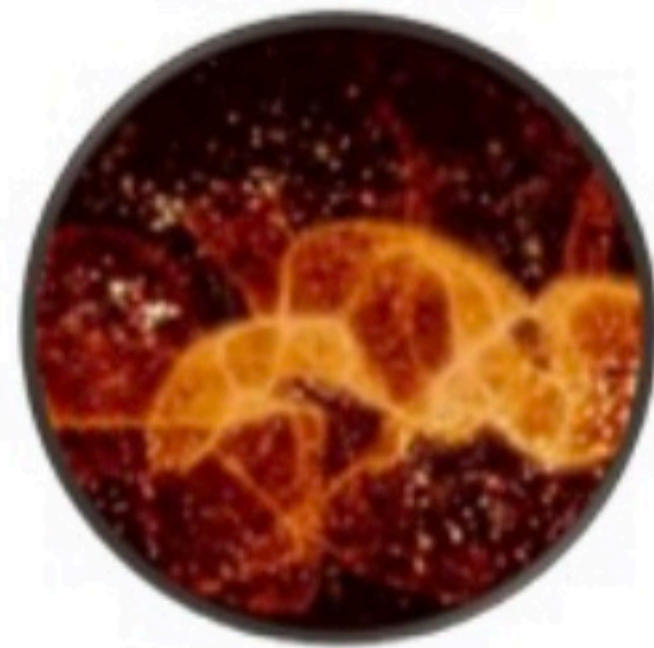
The
Right
Time

LUMIVIVE NIGHT KEY INGREDIENTS

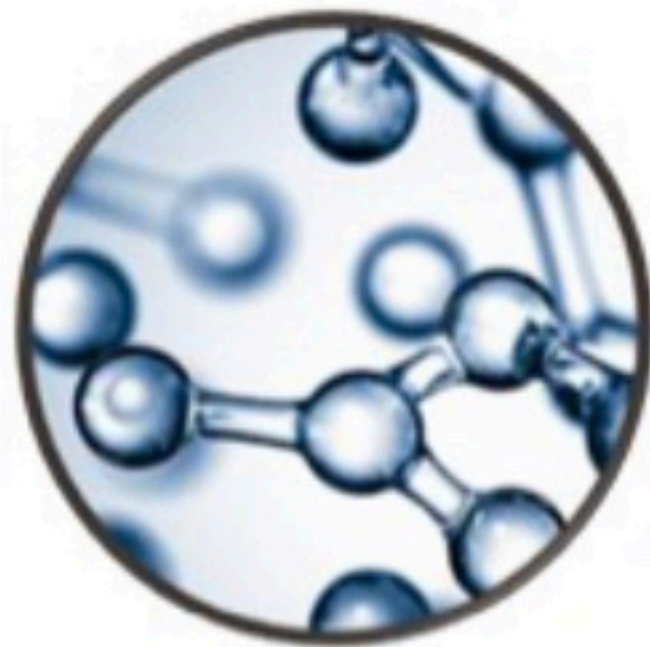
Antioxidants Neutralize Free Radicals from INTERNAL Aggressors



MIRABILIS
JALAPA



MITOQUINOL
MESYLATE



PENTAPEPTIDE-34



VITIS
VINEFERA
SCE

VIBRIO
ALGINOLYTICUS

ACETYL
TETRAPEPTIDE-2

- Detoxification & Cellular Metabolism

- Improve mitochondrial function
- Increase ATP production

- Support CoQ-10 levels
- Increase ATP production

- Provides epidermal protection

- Refines skin texture and resilience through desquamation

- Supports ECM & Elasticity

ORDER OF APPLICATION ADDING LUMIVIVE

WHEN TO APPLY



Apply Lumivive AM in the morning and Lumivive PM in the evening

WHERE TO APPLY

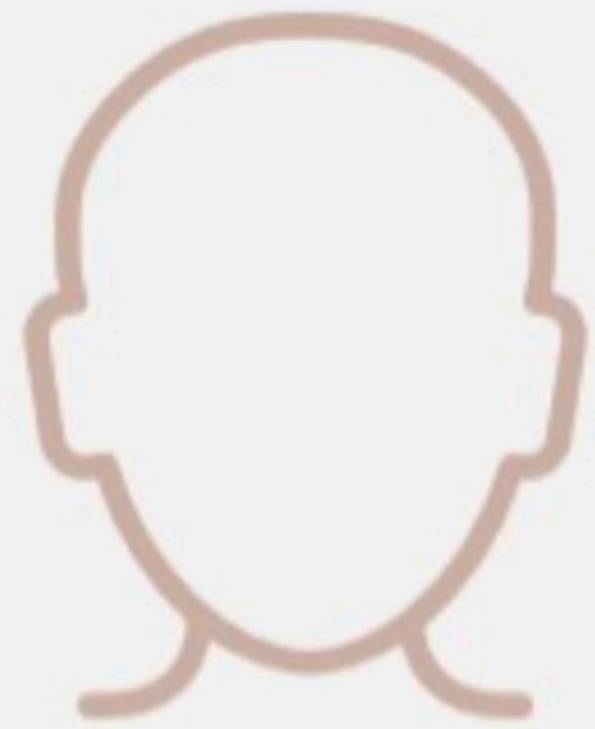


Apply to face, neck and décolleté or any area



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