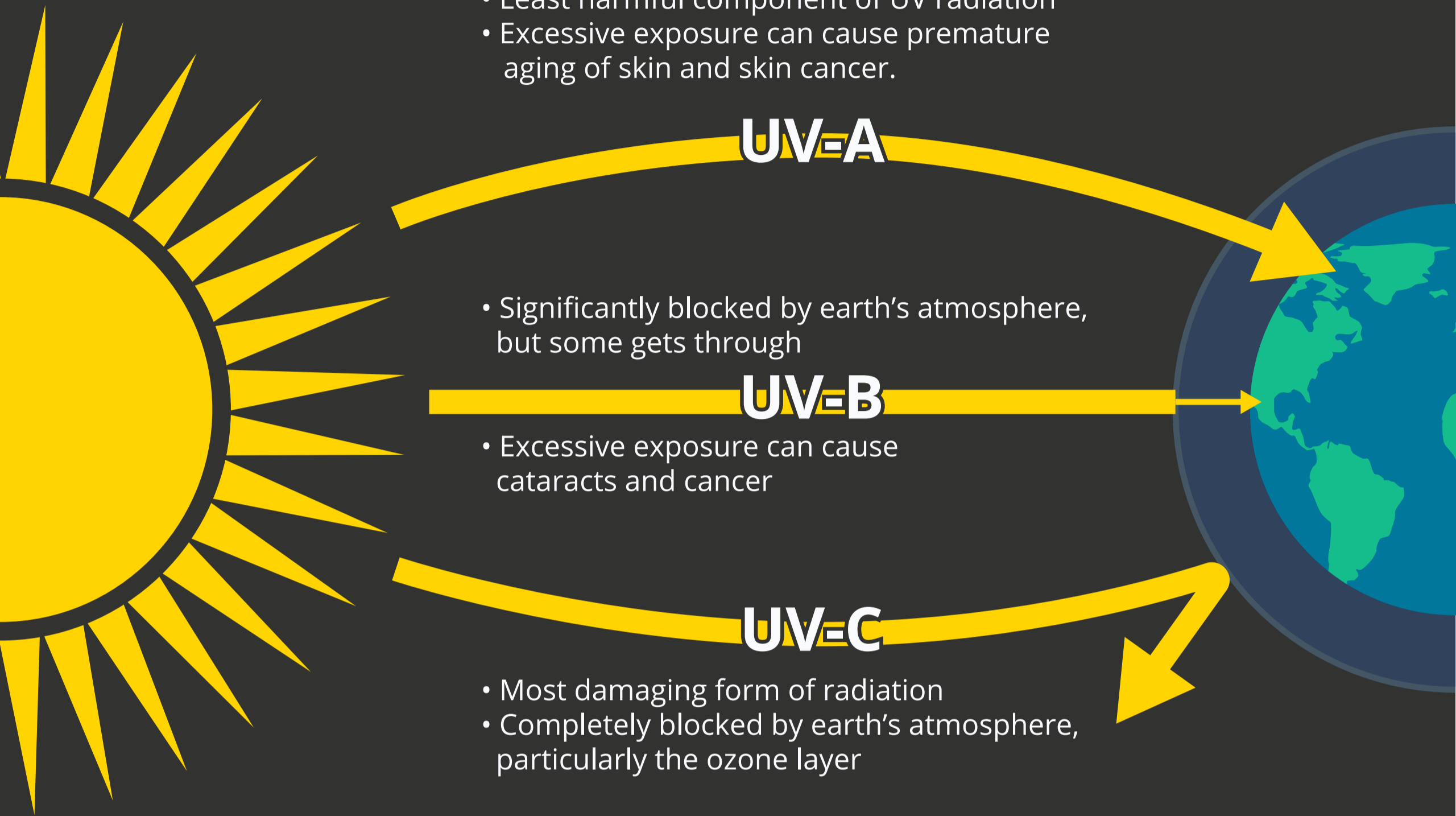


## Sources of Radiation Burns

### Sun Burns

- Largest portion of UV radiation that reaches Earth
- Least harmful component of UV radiation
- Excessive exposure can cause premature aging of skin and skin cancer.



### Medical Treatment Burns



## Radiation Dermatitis

Caused by exposure to ionizing radiation  
(used to treat other conditions such as cancer)



### ACUTE

Present within 90 days of radiation exposure

**Grade 1:** Faint reddening of the skin

**Grade 2:** Moderate, patchy reddening of the skin. Skin peeling near skin folds and creases. Moderate swelling.

**Grade 3:** Larger sections of skin peeling, greater than 1.5 cm diameter, not confined to the skin folds. Severe swelling.

**Grade 4:** Full thickness skin necrosis and/or ulcerations. The necrosis extends into the dermis.

### CHRONIC

Begins as acute radiation dermatitis

**10+ yrs.**

Can continue for 10 years or more

**Leads to changes within the skin including:**

Disappearance of pores  
Delicate skin which tears easily  
Clusters of blood vessels (look similar to spider webs)