

Smog

- Smoke+ Fog

1. Reducing fog (Coal combustion, SOx)

2. Photochemical oxidant smog (Incomplete combustion)

Tobacco smoke

Major

10x Higher prob of lung cancer

Minor

Cardiovascular disease

Pregnancy

impact on fetus weight

Malnutrition

Marasmus

- Starving

- Normal serum albumin level

- Loss of muscle

Kwashiorkor

- Protein deficiency

- Hypoalbuminemia

- General edema

Vit. A

Function

- Vision

- Differentiation of epithelial cells

- Host resistance

- Metabolic effects on retinoids

Deficiency

- Night blindness

- Xerophthalmia

- Pulmonary infections

- Stones

- Hyperkeratosis

Lead

Toxicity

1. Inhibit heme synthesis

2.2 Interfere brain development& nerve transmission

Storage

| Bone& Teeth >Blood >Soft tissue

Vit. D

Source

- UV light

- Dietary source

Metabolism

1,25(OH)²D: Most active form

Functions

- Ca, P intestinal absorption

- PTH-dependent reabsorption

- Steroid hormone

Deficiency

1. Children: Rickets

- Cartilage overgrowth

2. Adult: Osteomalacia

- Uncalcified bone

Vit. K

- Synthesis of clotting factor VII, IX, X

- Bleeding diathesis

Vit. C

- NOT synthesized

- Metabolism of collagen& basic intracellular matrix

Scurvy

- Bleeding tendency



By damn

cheatography.com/damn/

Published 8th December, 2023.

Last updated 8th December, 2023.

Page 1 of 1.

Sponsored by [Readable.com](https://readable.com)

Measure your website readability!

<https://readable.com>