

The FRAME Routine

Key Topic

The Atmosphere



is about...

the blanket of gasses surrounding and protecting Earth.

Layer of the atmosphere

① Main idea

Troposphere

② Main idea

Stratosphere

③ Main idea

Mesosphere

④ Main idea

Thermosphere

Extension: How do pressure, temperature, density, and composition of the atmosphere vary with altitude?

Essential details

temperature decreases with increasing altitude

Essential details

temperature increases with increasing altitude

Essential details

temperature decreases with increasing altitude

Essential details

temperature increases with increasing altitude

Decreasing density & pressure

temperature

contains

Weather, life

Ozone layer

meteors

Northern lights

Protects life by

Providing weather that drives the water cycle

Absorbing and reflecting harmful radiation from the sun

Burns up meteors so they don't hit the surface of Earth

Reflects x-rays and uv radiation

The majority of the mass

Without this we would be susceptible to cancer and cataracts

Helps us understand long term changes in our atmosphere

Expands and puffs up when heated

So What? (What's important to understand about this?)

The atmosphere protects us from cancer and too much heat by absorbing and reflecting some of the light from the sun.