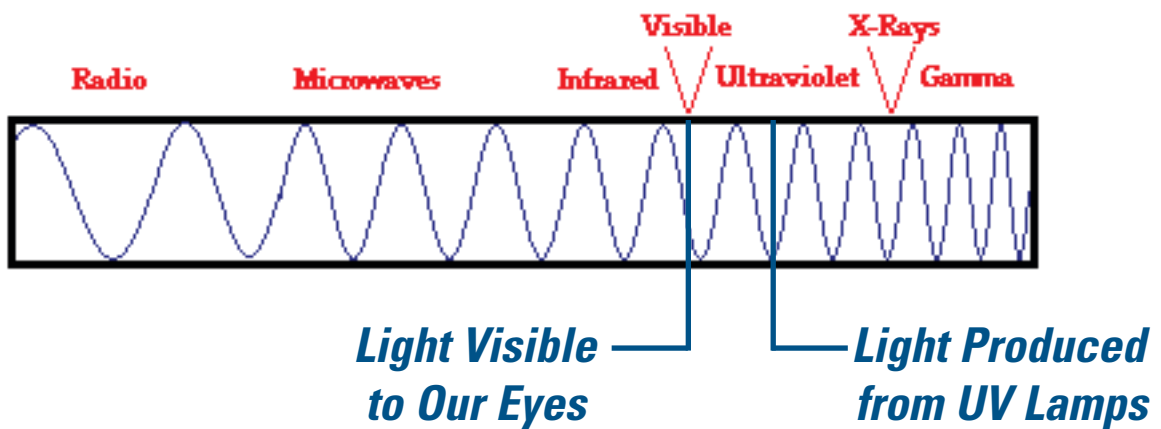


# Ultraviolet Germicidal Lamps

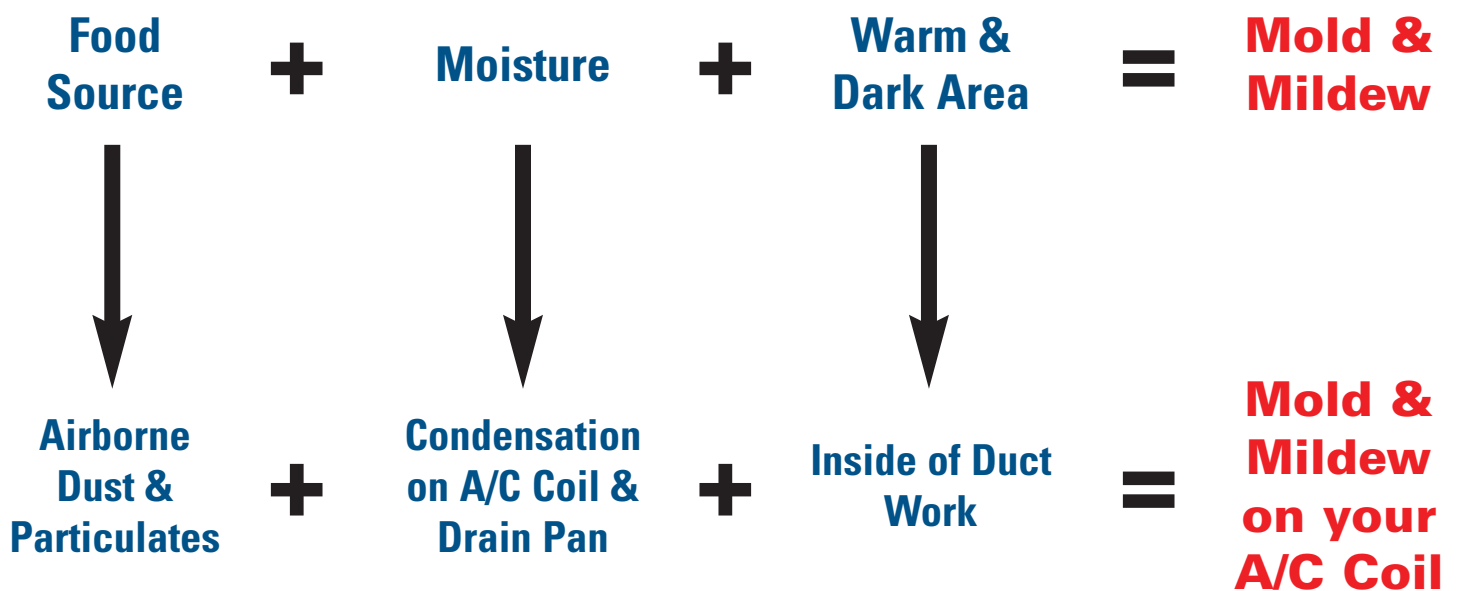
## The Spectrum of Light



- Ultraviolet (UV) light breaks down the DNA of living organisms (mold, mildew, bacteria, viruses, etc.) which kills them and prevents their spread and growth
- UV light has been used for years in food processing and water purification industries
- Life-critical applications use UV lamps for protection from viruses & bacteria
  - hospital operating rooms
  - military bio-terror protection
- Commercial buildings are installing UV lamps to save energy, reduce maintenance costs & increase employee health

# Ultraviolet Germicidal Lamps

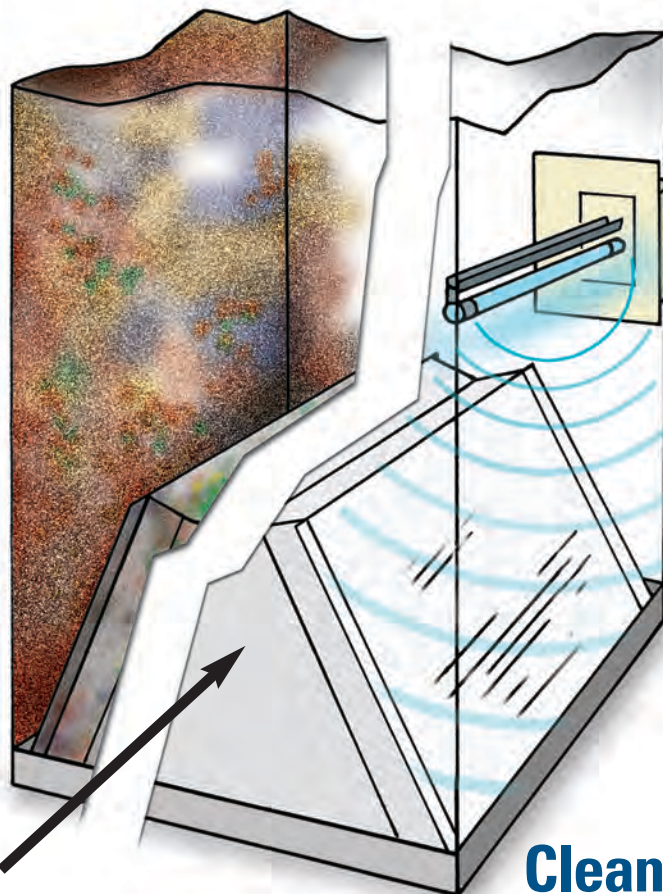
Given the right conditions, mold and mildew can grow *anywhere!*



# Ultraviolet Germicidal Lamps

## Moldy Coil & System

- Constricted air flow makes the system work harder to cool
- Blows mold & mildew into the home
- "Smelly Sock Syndrome" odors



**Air Conditioning  
Evaporator Coil  
(inside ductwork)**

## Clean Coil & System

- Like new energy efficiency
- Prolongs system life & deters unexpected breakdowns



The use of the lights resulted in 99 percent reduction of the concentration of germs on irradiated surfaces within the ventilation systems.

...the approach could be useful in the broader effort to combat contagious diseases such as flu, SARS, tuberculosis and cold viruses."

[www.cnn.com](http://www.cnn.com)



McGill University Health Centre  
Montreal, Quebec Canada

"UV Lamps can kill bacteria, mold fungi and other germs in ventilation systems of large office buildings, preventing headaches, coughs, congestion and other symptoms of "sick building syndrome".

[www.muhc.ca](http://www.muhc.ca)

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