

The Electromagnetic Spectrum

Radio

Microwave

Infrared

Visible

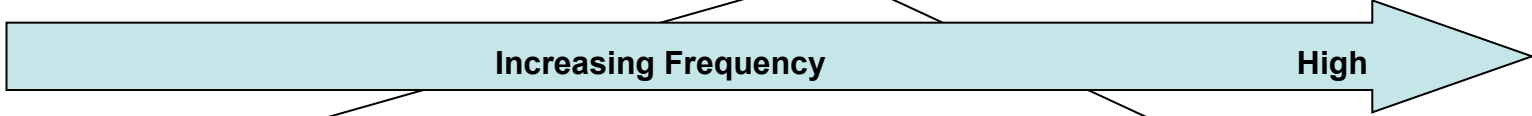
Ultraviolet

X-Ray

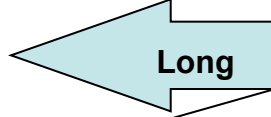
Gamma Ray



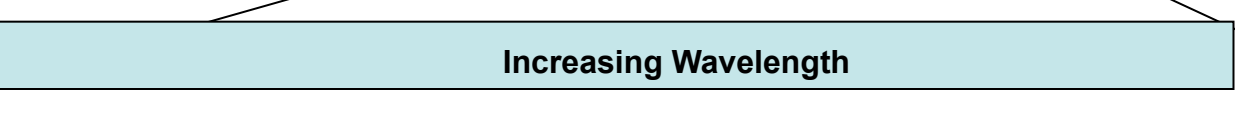
Low



High



Long



Short



Longer waves

Lower frequency

Shorter waves

Higher frequency

About the size of...



Football Field



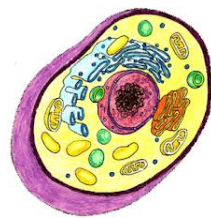
Buildings



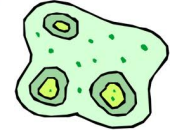
Baseball



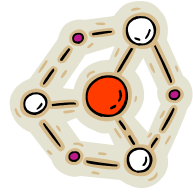
Paperclip
Thickness



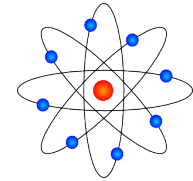
Cells



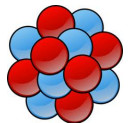
Bacteria



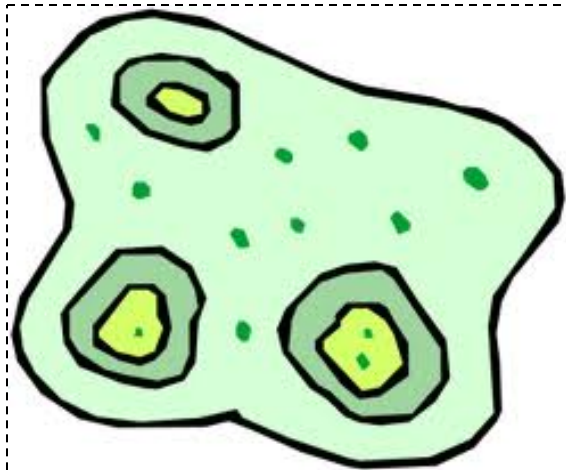
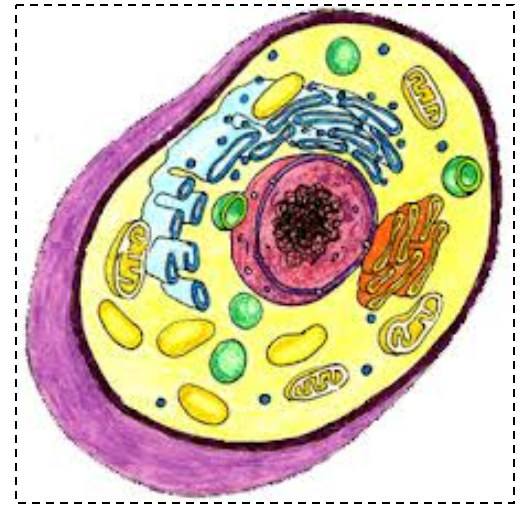
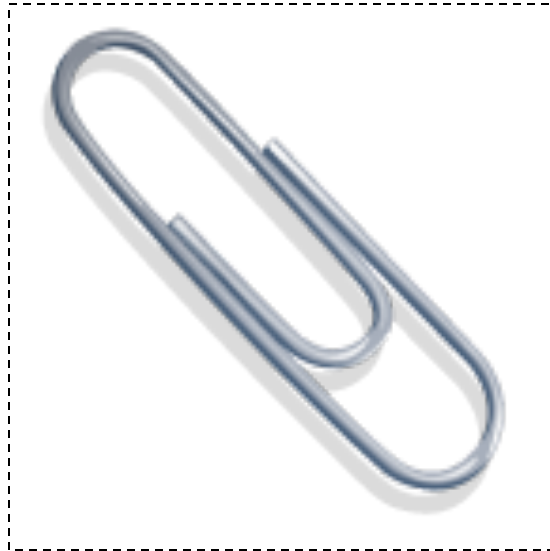
Molecules

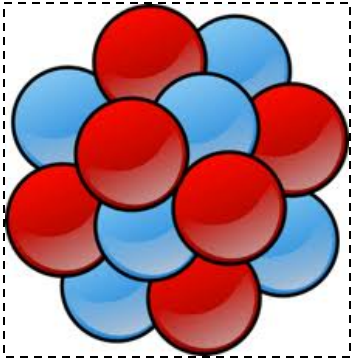


Atom

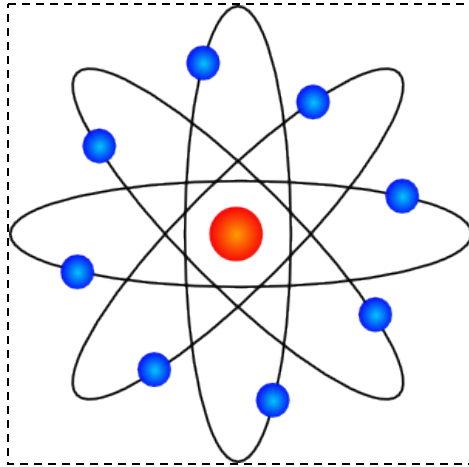


Atomic
Nuclei

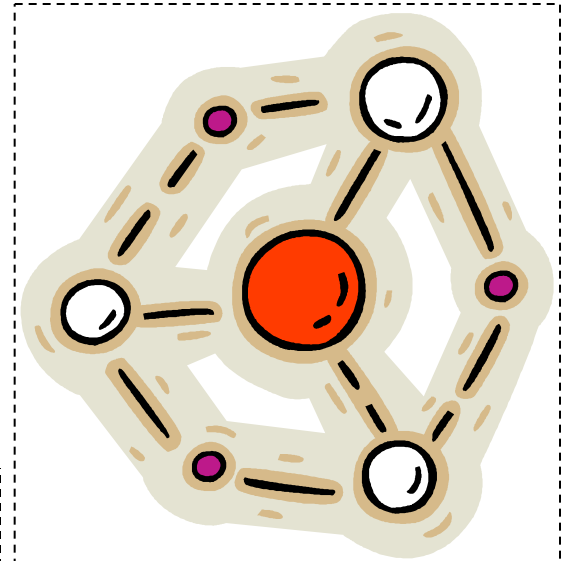




Bacteria



Baseball



Molecules

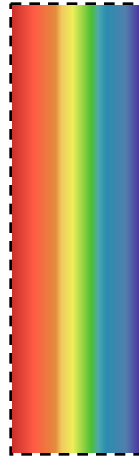
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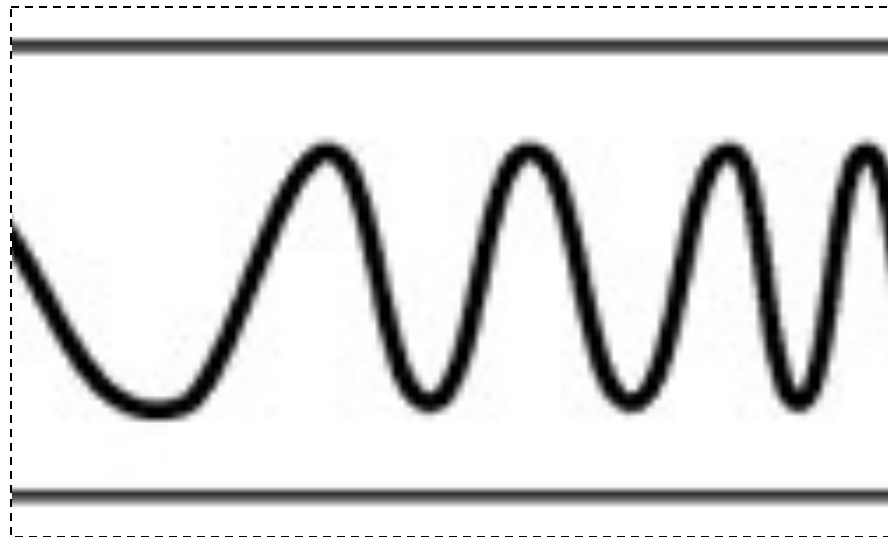
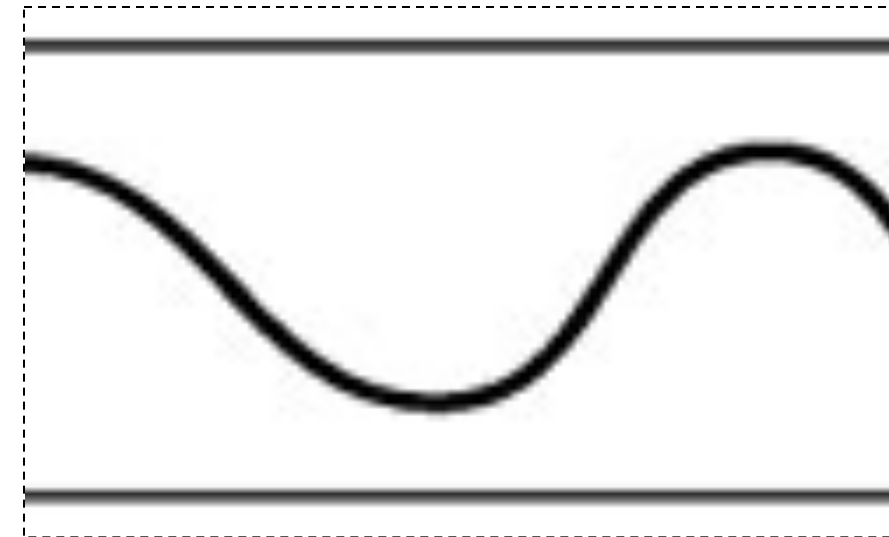
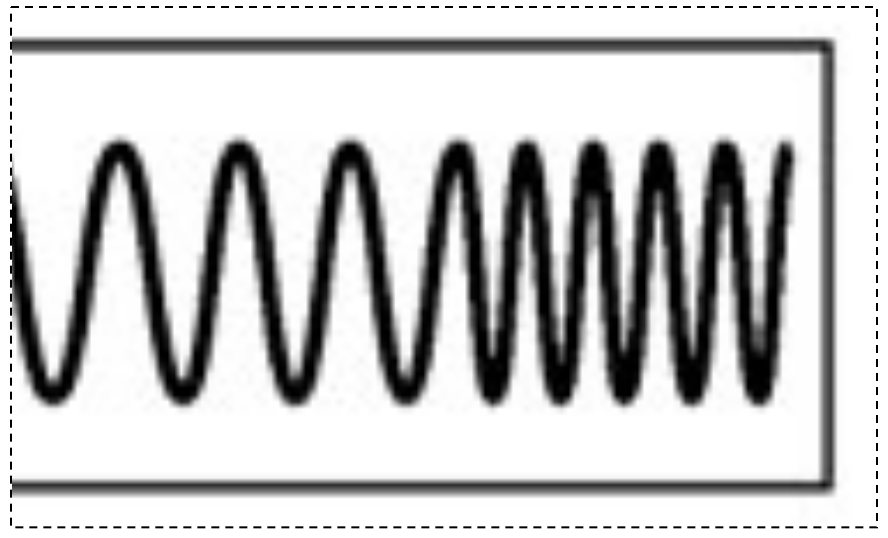
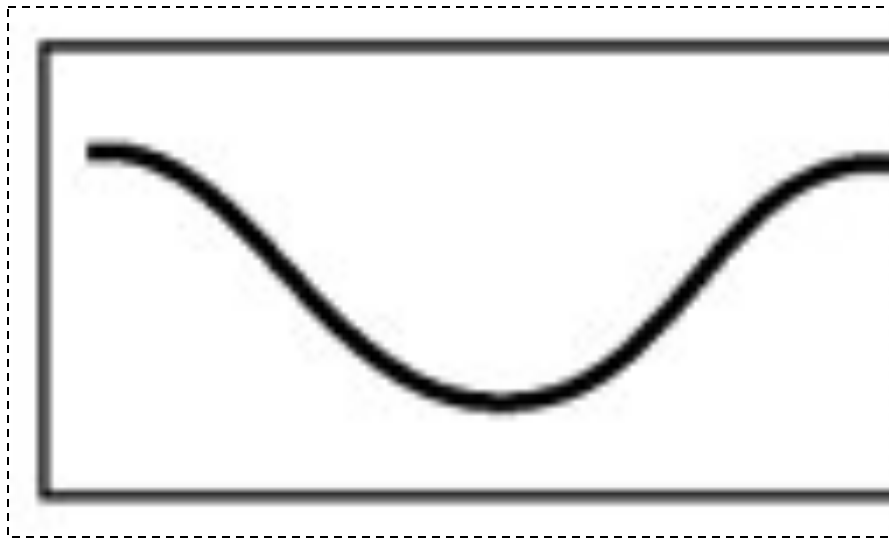
Atomic

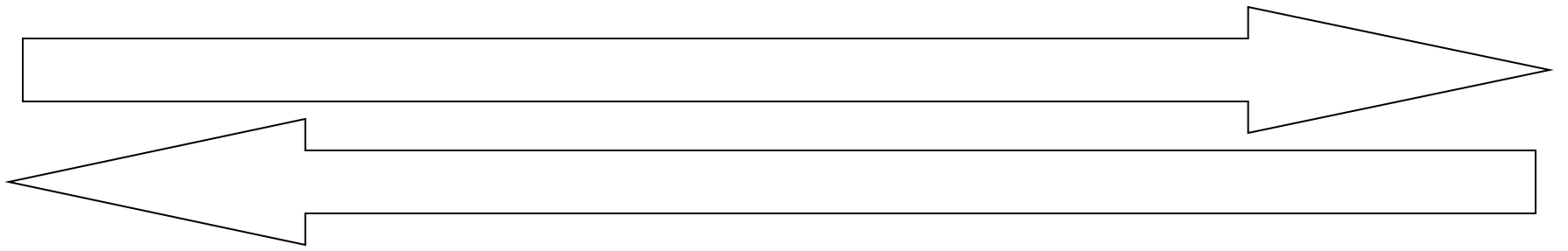
Nuclei

Cells

Atom







Increasing Wavelength

Increasing Frequency

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Gamma Ray

X-Ray

Spectrum The

Electromagnetic