

5

Radio Waves



Radio waves have the lowest energy and are used for transmitting signals over long distances.

%

Microwaves



Microwaves are used in everyday appliances and for communication.

SET 1

8

Infrared



Infrared radiation is felt as heat and is invisible to us. It can be detected using special sensors.

4

Visible Light



Visible light, ranging from red to violet, can be detected by the human eye.

H

Ultraviolet



Ultraviolet light can make some materials glow and can cause sunburn.

6

X-Rays



X-rays have very high energies and can penetrate most substances.



Gamma Rays



Gamma rays have the highest energies in the electromagnetic spectrum.

!

Nuclear reactions

F

Broadcasting radio and
TV signals,
communication

&

Radar, satellite
communication, cooking
(microwave ovens)

1

Remote controls, thermal
imaging, heating

#

Vision, photography

L

Sterilizing medical
equipment, medical
imaging, security scanners

3

Sterilization, fluorescent
lights, tanning

3 Radio Waves



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SET 2

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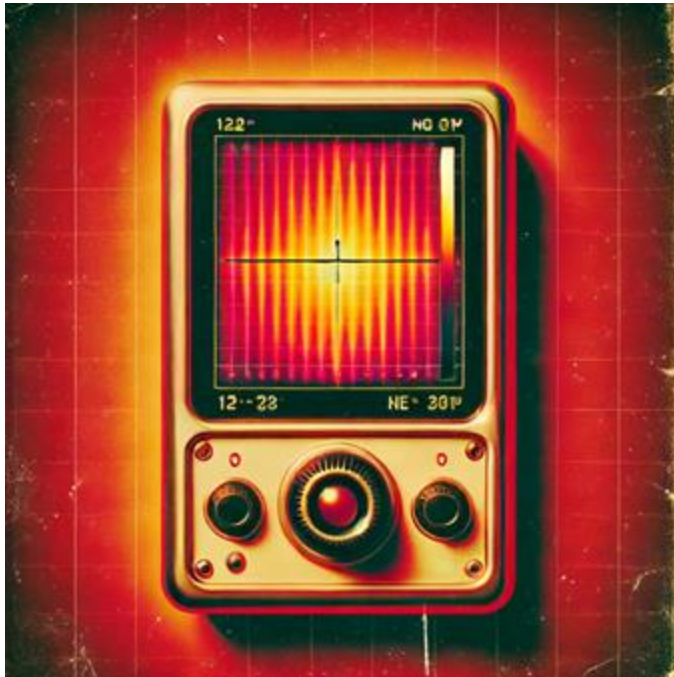


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SET 4

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Nuclear reactions

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communication

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Radar, satellite
communication, cooking
(microwave ovens)

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Vision, photography

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SET 6

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Nuclear reactions

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