

Electromagnetic waves transfer

ENERGY CONTRACT

from one

to

another

All EM waves, regardless of type, travel through the speed space for a NOCHMAN



make implaes X-rays are used to

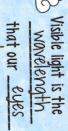
pass easily through soft through borne tissue, but not as easily of the body. X-rays

X-RAYS

FREQUENCY

ncreases

shortest.



longest, can see. rea Violet _ is the

VISIBLE LIGHT

communication signals Used in many

EM waves are

trainsverse

such as cell wi-fi, and bluetooth and in microwave <u>Ovens</u> phones,

> to the direction of at <u>right</u> angles The vibrations are

travel

MICROWAVES

WAVELENGTH

decreases

The higher the frequency

the greater the energy of the wave

FREQUENCY DECREASES

elements. Cannot be seem Produced by radioactive **GAMMA RAYS** but can cause concer Also

ULTRAVIOLET

Found naturally in surplight causes swinburn and coincer



used to _ cancer.

WAVELENGTH

in toasters and _grills_ Infrared means "red .. As heat it is used INFRARED

Used in electronics such as remote controls

ncreases

the spectrum. Used to The longest wavelen transmit radio wavelength in



around the Earth