

THE ELECTROMAGNETIC SPECTRUM

SUMMARY OF USES AND DANGERS



RADIO WAVES

USE: USED FOR LONG-RANGE COMMUNICATIONS

REASON: BECAUSE THEY CAN BE REFLECTED FROM THE EARTH'S ATMOSPHERE

MICROWAVES

USE: SATELLITE COMMUNICATIONS

REASON: BECAUSE MICROWAVES CAN PENETRATE EARTH'S ATMOSPHERE

INFRARED

USE: OPTICAL FIBRE COMMUNICATION

REASON: BECAUSE THEY CAN UNDERGO TOTAL INTERNAL REFLECTION

VISIBLE LIGHT

USE: TAKING PHOTOS AND VIDEOS

REASON: CAMERAS ARE SET UP TO DETECT VISIBLE LIGHT

ULTRAVIOLET

USE: FOR DETECTING SECURITY INK

REASON: BECAUSE IT FLUORESCES WITH ULTRAVIOLET LIGHTING

X-RAYS

USE: TO PHOTOGRAPH BONES

REASON: BECAUSE X-RAYS CAN PENETRATE SOFT TISSUES BUT NOT BONE

GAMMA RAYS

USE: TO STERILISE MEDICAL TOOLS

REASON: BECAUSE GAMMA KILLS BACTERIA

DANGER: HIGH INTENSITY MICROWAVES CAN CAUSE HEATING OF INTERNAL ORGANS

REASON: WATER MOLECULES ABSORB MICROWAVES STRONGLY

DANGER: GAMMA X-RAYS AND HIGH INTENSITY UV CAN HARM CELLS AND CAUSE CANCER

REASON: THEY ARE HIGHLY IONISING DUE TO HAVING A LOT OF ENERGY

Em Waves Test

Mark Steyvers



Em Waves Test:

Reviewing **Em Waves Test**: Unlocking the Spellbinding Force of Linguistics

In a fast-paced world fueled by information and interconnectivity, the spellbinding force of linguistics has acquired newfound prominence. Its capacity to evoke emotions, stimulate contemplation, and stimulate metamorphosis is truly astonishing. Within the pages of "**Em Waves Test**," an enthralling opus penned by a very acclaimed wordsmith, readers attempt an immersive expedition to unravel the intricate significance of language and its indelible imprint on our lives. Throughout this assessment, we shall delve to the book is central motifs, appraise its distinctive narrative style, and gauge its overarching influence on the minds of its readers.

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