

Name

Section

Physics



E2.1

use appropriate terminology related to light and optics

E3.2

identify and label the visible and invisible regions of the electromagnetic spectrum

# Optics Quiz Ἐμπεδοκλῆς

**Grade 10 Science**

Answer the following questions in complete sentences.

Write these electromagnetic waves in order from lowest to highest energy: infrared, X-ray, red light, gamma rays, microwaves.

What two major properties did Maxwell predict that electromagnetic waves would possess?

Match each electromagnetic wave with the concept that is most closely related to.

X-rays

ultraviolet light

radio waves

infrared light

microwaves

gamma rays

visible light

vitamin D

telecommunications

cancer treatment

radar

theatre/concert effects

baggage screening

DVD player remote control



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Answer the following questions in complete sentences.

Write these electromagnetic waves in order from lowest to highest energy: infrared, X-ray, red light, gamma rays, microwaves.

*microwaves, infrared, red light, X-ray, gamma rays*

What two major properties did Maxwell predict that electromagnetic waves would possess?

*Maxwell predicted that electromagnetic waves would travel at the speed of light and wouldn't need a medium*

Match each electromagnetic wave with the concept that is most closely related to.

