

Independent learning

Session	Date	Class
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Objectives:

1. Identify the properties and uses of electromagnetic waves
2. 21st century skills: Collaboration – communication skills



Assessment:

Q1: Choose the most correct answer:

1. All electromagnetic waves are.....
 - a. Mechanical
 - b. Transverse
 - c. Longitudinal
 - d. all the above
2. The speed of light is.....
 - a. 300 km/hr
 - b. 300 m/s
 - c. 300 million m/s
 - d. 300 million
3.have the most energy [the highest frequency]
 - a. Radio waves
 - b. X-rays
 - c. Ultraviolet
 - d. Gamma rays

Q2: Match each wave with its application

Wave	Uses
Radio waves ●	Astronomers use it to study the universe 
Microwaves ●	Help us to see . It is captured by camera 
Infrared ●	Detect metals and help us to cook the food quickly 
Ultraviolet ●	Detect distant objects like stars . Also use for broadcasting 
Visible light ●	Kill bacteria, so it is used to clean water and air 
X-Rays ●	Help sterilization of food. It is also used to treat cancer 
Gamma rays ●	Taking picture of inside body 