

Independent learning

Session		Date		Class	7F
---------	--	------	--	-------	----

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	