Name:	
maille.	

Topic 3.1 Questions

How does electromagnetic radiation shape your world?

1.

2.

Type of Electromagnetic Radiation:	Applications:	
Radio waves		
Microwaves		
Infrared		
Visible light		
Ultraviolet		
X-ray radiation		
Gamma-ray radiation		
	es of electromagnetic radiation. an-made) sources of electromagnetic radiation.	

3. Describe two ways in which electromagnetic radiation can cause harm to living things.

4. Your eyes can sense light, and your skin can sense infrared. Describe a way that technology allows you to sense another type of electromagnetic radiation

5.		inal investigator testifies in court that traces of blood were found at a scene of a crime, even after spect tried to clean it up. Describe a technique the investigator could have used to find the ce.		
3.	These	These two images were made using electromagnetic radiation		
		shutterstock.com • 513309382		
	a.	State the type of radiation you think was used to make each image. Justify your response		
	b.	Which image do you think would give a doctor more information? Explain your reasoning.		
	C.	Why might a doctor choose to use the imaging technology that produces a less detailed view?		
7.	Many tools/equipment/jobs use a combination of electromagnetic radiation. List the types used for the following: a) MRI (magnetic resonance imaging): b) Weather satellites:			
		Art forgery investigators:		