Using Electromagnetic Waves

Please use the textbook to answer the questions.

1. You stay warm under your blanket in bed because of which type of EM radiation is changed to thermal energy? (pg.639)	
2. Which type of electromagnetic wave is used in broadcasting (pg.639)	
3. An electromagnetic wave that a radio station or television station uses to carry its sound is called a radio wave or a _____ _____. (pg 640)	
4. Based on the picture a carrier wave has more energy than a electricals signal because it has a higher _____. (pg. 640)	
5. What does FM stand for _____. (pg. 640)	
6. What type of waves are used in satellite transmission. (pg. 640)	
7. Microwaves are used in the world wide navigation system. What is the name of the world wide navigation system?. (pg. 642)	
8. Which type of waves are used for thermal cameras and earth imaging? (pg. 643)	
9. Where does most of the light energy on earth come from? (pg. 643)	
10. Based on figure 14, what is an example of how how light rays are useful to humans (pg. 643)	
11. Name a technology that uses invisible symbols stamped on them that appear under ultraviolet light (pg. 644)	
12. Which type of EM waves do medical facilities sometimes clean tools with? (pg. 644)	
13. What is a skin disease that ultraviolet waves can be used to cure? (pg. 644)	
14. The main use for X-rays is _____, security and _____ _____.	
15. What can gamma rays be used for in the medical field? (pg 646)	

LIVEWORKSHEETS