Physics 140 Discovery Room #11 13.2 electromagnetic waves, microwave ovens; 16.1–16.3 radiation

Name	Date/Time
Microwave Ovens Place the wet paper towel on the styrofoan over it. Turn on the microwave for <u>5 secondary</u> 1. What do you see? Why?	n shelf and place a length of thermal fax paper nds.
2. What kinds of waves are microwaves?	What is their velocity?
Cloud Chamber Inside this chamber there is alcohol vapor. alcohol evaporates from the warm top side the tracks of alcohol droplets. 1. What are you observing? Why?	The bottom is filled with dry ice so that and diffuses toward the cold bottom. Watch
2. Why are some of the tracks straight and	d other tracks curved?
Superconductor and small magnet Watch what happens as the small magnet it that has been cooled by liquid nitrogen. 1. What are you observing? Why?	is placed upon the superconducting material

Using the margins of this sheet of paper, write down a question regarding a topic, concept, or example you do not understand from this week in PHYS140.