**Medical Imaging assign 1** (there will be a different one tomorrow)

Make sure to read case studies as you encounter them. Please write all answers in your own words.

1. In your own words what is the difference between XRays, PET scans and CT scans?

2. What is an MRI? How does it work?

3. What contrast is used? Why?

4. What do techs look for in MRI images?

5. Ultrasound

 a. what are they?

 b. How do they work?

 c. What is their advantage over x rays?

 d. How can they be used to determine blood flow?

6. Barium Enemas and Colonscopy

 a. Explain how both work and what they are used to diagnose?

 b. Do the activities listed on page 16 all of them

7. Read page 17 and List out the isotopes used on pg 17 (copy table)