QUESTIONS TO HAND IN – EXPERIMENT 17

NAME_____

LAB INSTRUCTOR_____**LAB DAY/TIME**_____

1. Radioactivity is the spontaneous decay of atomic nuclei through the emanation of what three types of particles or rays?

2. Which of the three types of radioactive emanations generally has the most destructive power for living things (i.e., carries the most energy)?

3. What is the make-up of the alpha particle?

4. What is the make-up of the beta particle?

5. The beta is (circle one) **heavier/lighter/about the same mass** as the alpha.