

**RTA Fall 2009**  
**Patient Interactions Assignment**

**1) Draw a diagram of each interaction.**

- A) Nucleus = protons BLUE, neutrons, BROWN.
- B) Shells = BLACK
- C) Electrons = BLUE.
- D) X-ray photon wavy RED line.

**2) Give a brief description of each tube interaction in your own words.**

**Photoelectric**

Description: \_\_\_\_\_

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## Compton

Description: \_\_\_\_\_

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## Classic Coherent

Description: \_\_\_\_\_

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## Pair Production

Description: \_\_\_\_\_

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## Photodisintegration

Description: \_\_\_\_\_

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