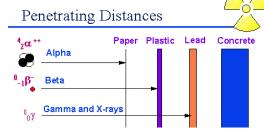
1. Write the symbols for the three types of radiation:

Alpha radiation:

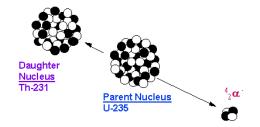
Beta radiation:

Gamma radiation:

2. Any type of radiation can harm cells and the human body but tell which is typically the most harmful by looking at the diagram:



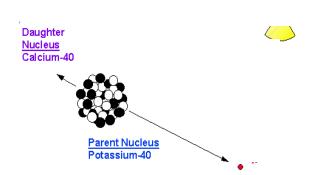
3. Which type of radioactive decay is diagramed below (alpha, beta, or gamma?):



4. From the diagram and the information in a periodic table, write the

Nuclear equation for the radioactive decay diagramed above:

5. What type of radioactive decay is diagramed to the right (alpha, beta, or gamma?):



6. From the diagram and the information in a periodic table, write the $\,$

Nuclear equation for the radioactive decay diagramed above:

- 7. List the following as either alpha, beta, or gamma:
 - a. creates a new proton that was not there before.
 - b. creates a new electron that was not there before.
 - c. does not change the mass of the original atom, even a little bit.
 - d. a chunk of the old nucleus comes off with 2 protons and 2 neutron in the chunk.
 - e. which 2 types always changes the original element to a new different element.
 - f. blows a neutron apart.

FILL IN THE MISSING INFORMATION

15. Br
$$\rightarrow$$
 ____ + Kr + \mathcal{Y} ___ 0