

Nuclear Reactions Foldable (pp 800-802, 810-813 of the RED text book.) If you do NOT have this book at your disposal, you can search the Internet for the information.

1. Create the foldable booklet: Fold a piece of paper hot dog style. Cut the paper into two pieces along the fold. Stack the two pieces of paper on top of each other and fold hamburger style. Staple along the fold.

2. Turn to page 800.

3. Label your foldable as follows.

Front Cover: Nuclear Radiation & Reactions

Inside Pages:

p1. Heading: Alpha Radiation (p 800)

Copy the information in the yellow box. (Labeled example of an alpha radiation reaction.)

Write a definition, found by reading this section.

p2. Heading: Beta Radiation (p 801)

Copy the information both yellow boxes. (Labeled example of beta radiation reaction & reaction showing breakdown of a neutron to produce a beta particle & a proton)

Write a definition, found by reading this section.

p3. Gamma Radiation (p 802)

Copy the information in the yellow box. (Labeled example of a gamma radiation reaction)

Write a definition, found by reading this section.

p4. Nuclear Fission (p 810)

Copy the picture at the bottom of the page. (Diagram of a fission reaction of U-238)

Write a definition, found by reading this section.

p5. Nuclear Fusion (p 813)

Copy the picture at the top of the page. (Diagram of a fusion reaction of hydrogen forming helium)

Write a definition, found by reading this section.

p6. Comparison of Some Types of Nuclear Radiation (p 801)

Copy Table 25.1 into your foldable. (Wait & copy this from book when you return if you are doing this from home.)

4. For full credit, effective use of color must be employed.