

Nuclear Chemistry Worksheet

Using your knowledge of nuclear chemistry, write the equations for the following processes:

- 1) The alpha decay of radium-226

- 2) The beta decay of uranium-237

- 3) Positron emission from cobalt-58

- 4) Sodium-22 undergoes electron capture

- 5) What is the difference between nuclear fusion and nuclear fission?

- 6) What is a 'mass defect' and why is it important?

- 7) Name three uses for nuclear reactions.