



14. Fill in the T-chart for Nuclear Fission vs. Nuclear Fusion below.

<u>Nuclear Fission</u>	<u>Nuclear Fusion</u>

Check for Understanding: Use your knowledge of Nuclear Fission & Nuclear Fusion to answer the following questions.

1. Lighter elements are combined to form the Sun and stars. What is this process called? What are the two lighter elements? What products come from this reaction? \_\_\_\_\_

2. What are two advantages of using nuclear energy over coal? \_\_\_\_\_

3. The nucleus of a large atom splits and two smaller atoms are formed. What is this process called? What are the reactants and products of this reaction? What are two disadvantages of this process? \_\_\_\_\_

4. What are three differences between nuclear fission and nuclear fusion? \_\_\_\_\_

5. What are two pros and cons of using nuclear fission energy to produce electricity? \_\_\_\_\_