**Nuclear Fission and Fusion Reactions**

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| **Nuclear fission of U-235**  http://www.softschools.com/chemistry/nuclear_chemistry/images/nuclear_reactions_1.png  In this reaction, a neutron bombards the nucleus of a uranium-235 nucleus producing krypton-91, barium -142 and 3 more neutrons.  **Nuclear fusion of two hydrogen atoms**  http://www.softschools.com/chemistry/nuclear_chemistry/images/nuclear_reactions_2.png  In this reaction, two hydrogen atoms (hydrogen-1 and hydrogen-2) are fused into a helium atom. |  |  |  |  |  |  |

Identify each of the following reactions as **FISSION** or **FUSION**:

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