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| Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

Nuclear Chemistry

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| **1.** Time required for half of a sample to decay | **A.** Fusion |
| **2.** Joining of two small nuclei | **B.** Nuclear forces |
| **3.** Fission reactions happen here | **C.** Atomic bomb |
| **4.** Products of a reaction cause other reactions to start | **D.** Chain reaction |
| **5.** Uncontrolled chain reaction | **E.** Electrostatic forces |
| **6.** Splitting of atomic nuclei | **F.** Half-life |
| **7.** Attractive forces between protons and neutrons | **G.** Sun and stars |
| **8.** Repulsive forces between protons | **H.** E=mc^2 |
| **9.** Fusion reactions happen here | **I.** Nuclear reactor |
| **10.** Mass is not destroyed, but converted into energy | **J.** Fission |