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| --- | --- |
| **Fission** | **Fusion** |
| 1 larger atom splits into 2 smaller atoms | 2 smaller atoms form 1 larger atom |
| A type of nuclear reaction | A type of nuclear reaction |
| Releases less energy than the other | Releases more energy than the other |
| Reaction at a nuclear power plant | Elements are created by this on the sun |
| Reaction for Fat Man and Little Boy (the 2 atomic bombs the US dropped on Japan) | Reaction that occurs in a hydrogen bomb or thermonuclear bomb |
| **+ 🡪 + + 3** | **+ 🡪 +** |
| **+ 🡪 + + 3** | **+ 🡪 + 3** |