Physics

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| --- | --- |
| **Across**  **3.** interaction between quarks  **5.** proton or neutron  **8.** 1/2 the mass  **9.** gamma rays emitted  **11.** electron is emitted  **12.** distinct kind of atom  **15.** difference of isotope and mass  **17.** rate of unstable nuclei  **18.** energy that holds a nucleus  **20.** intermediate particles  **21.** joining together  **22.** spread of reaction  **23.** Number in right corner  **24.** change in nucleus | **Down**  **1.** elementary particles  **2.** identical to helium  **4.** responsible for beta decay  **6.** emitting radiation  **7.** time for radioactivity to fall off  **10.** weak subatomic particles  **13.** subatomic particles  **14.** conversion of radiation  **16.** splitting into parts  **19.** number of protons |