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 |