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Nuclear Medicine

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| **Across**  **4.** Particulate form of ionizing radiation consisting of a helium nucleus  **8.** time required for disintegration of half of the original activity of a radioactive nuclide  **9.** unit of radioactivity in SI  **10.** deposition of radioactive material in any place where its presence is not desired | **Down**  **1.** ionizing radiation with characteristics of an electron  **2.** imaging system that uses one to three gamma detectors to produce tomographic images  **3.** type of atom whose nucleus disintegrates spontaneously  **5.** device use to confine the elements of a beam within an assigned solid angle  **6.** nuclides of the same element that have different atomic mass but the same number of protons  **7.** Process by which radiation is reduced in intensity |