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Rad Tech

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| **Across**  **1.** Radiant energy from waves or subatomic particles.  **5.** The personnel working in any discipline or specialty area of radiologic technology.  **6.** A basic unit of absorbed radiation dose.  **10.** A unidirectional emission of electromagnetic radiation or particles.  **12.** A special kind of X-ray technique used to screen for breast cancer.  **13.** Beams that pass through the body to produce images of anatomical structures.  **14.** Radiation absorbed by person’s body.  **15.** The uptake of energy from radiation by the tissue or medium through which it passes.  **16.** A unit of measurement for absorbed dose.  **17.** The energy of an explosion that is equivalent to an explosion of 1,000 tons of TNT.  **18.** The international unit of exposure dose for X-rays or gamma rays. | **Down**  **2.** A method of examining blood vessels utilizing X-rays and injection of iodine-rich contrast material.  **3.** The process of obtaining an image for diagnostic examination using X-rays.  **4.** A diagnostic radiologic modality, in which the nuclei of the hydrogen atoms in a patient are aligned in a strong, uniform magnetic field, absorb energy from tuned radio pulses, then emit radio signals.  **7.** A naturally occurring metal; a contrast material.  **8.** A measure of ionization in air caused by X-rays or gamma rays only.  **9.** A physician trained in the diagnostic and/or therapeutic use of X-rays and radionuclides, radiation physics, and biology.  **11.** Having something that will absorb radiation between you and the source of the radiation. |