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Radiation Safety

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| **Across**  **5.** \_\_\_\_\_\_\_\_\_\_\_ is the reduction of the energy in the beam as it passes through matter.  **6.** \_\_\_\_\_\_\_\_\_\_\_ reduces the field size and the patient dose.  **7.** Radiation effects the cells of the body and can possible \_\_\_\_\_\_\_\_ the risk of certain types of cancer or genetic mutations.  **8.** the device used to terminate an exposure once the desired amount of radiation reaches the image receptor.  **9.** The \_\_\_\_\_\_\_ \_\_\_\_\_\_ Law states that the radiation dose in inversly proportional to the square of the distance.  **10.** ALARS stands for as low as reasonably \_\_\_\_\_\_\_\_\_\_. | **Down**  **1.** The 3 basic rules of radiation safety are time, distance and \_\_\_\_\_\_\_\_\_.  **2.** The 2 types of ionizing radiation are particulate and \_\_\_\_\_\_.  **3.** A device that measures the dose of radiatio workers.  **4.** \_\_\_\_\_\_\_ radiation is emitted from the patient. |