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Radioactvity Crossword

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| **Across**  **3.** The \_\_\_\_\_\_\_\_ is split when a nuclear reaction occurs.  **4.** \_\_\_\_\_\_\_\_\_\_\_\_\_\_ was one of the first scientists to document radiation.  **6.** There is \_\_\_\_\_\_\_\_ radiation everywhere.  **7.** \_\_\_\_\_\_\_\_\_\_\_\_\_ is used in nuclear power plants as fuel.  **15.** Nuclear fusion releases large amounts of \_\_\_\_\_\_\_\_\_.  **16.** When atoms continuosly are split it is called \_\_\_\_\_\_\_\_\_.  **17.** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ are slighty radioactive . ( A fruit)  **19.** In a nuclear power plant steam is used to turn a \_\_\_\_\_\_\_\_.  **20.** Weapons and other military equipment are made with \_\_\_\_\_\_\_\_\_ uranium.  **21.** \_\_\_\_\_\_\_\_\_ is used to cool the reactor room  **24.** In a Nuclear power plant water is \_\_\_\_\_\_ to create steam.  **25.** \_\_\_\_\_\_\_\_\_ powered plants give off more radiation than nuclear power plants.  **26.** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ waste is hazardous to all life.  **27.** Exposure to radiation can cause radiation \_\_\_\_\_\_\_.  **29.** \_\_\_\_\_\_\_\_\_\_ is what is emitted from nuclear waste.  **30.** Nuclear fission uses \_\_\_\_\_\_\_\_\_ to split the nucleus. | **Down**  **1.** In \_\_\_\_\_\_\_\_ Japan a few natural disasters caused radiation to leak out.  **2.** Nuclear \_\_\_\_\_\_\_\_ takes place in nuclear power plants.  **5.** Nuclear \_\_\_\_\_\_\_\_ takes place in the sun.  **8.** One type of radioactive decay that doesn't affect an element .  **9.** Fission causes a \_\_\_\_\_\_\_\_\_ element to turn into two light elements.  **10.** Nuclear power plants emit \_\_\_\_\_\_\_\_\_\_ into the air.  **11.** A reactor \_\_\_\_\_\_\_\_\_\_ can cause radiation to leak into the enviornment.  **12.** One type of radiocative decay starting with a B.  **13.** \_\_\_\_\_\_\_\_\_\_\_\_\_ is where a nuclear reactor failed and spread radiation into the surrounding area.  **14.** \_\_\_\_\_\_\_\_\_\_\_\_ regulate the rate at which nuclear fission takes places.  **18.** One type of radioactive decay starting with A.  **22.** Radioactive waste can take \_\_\_\_\_\_\_\_\_\_ years to decay.  **23.** Nuclear power plants use \_\_\_\_\_\_\_\_\_\_ resources.  **28.** Fusion causes two \_\_\_\_\_\_\_ elements to form a heavier one. |

   Uranium        Nucleus        Fission       Fusion        ChainReaction       Boiled       Turbine        WaterVapor       Radiation        Chernobyl       BetaDecay       AlphaDecay       GammaDecay       Radioactive       Neutrons       Non- Renewable       Millions       ControlRods       meltdown       Coolant        Depleted       Bananas       coal       MarieCurie       Background       Burns       Light       Heavy       Fukushima       Energy