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Engineering Types

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| **Across**  **3.** This engineer uses engineering principles for protection of human populations from the affects of adverse environmental factors.  **4.** Deals with the application of electricity in the construction of machinery and power supplies  **5.** The application of fission as well as fusion atomic nuclei.  **8.** Deals with the design, construction and use of machines.  **9.** Uses biology, medicine and engineering to develop systems and devices to improve health care.  **10.** Deals with the design and development of spacecraft, missiles and rocket-propulsion systems operating beyond Earth's atmosphere. | **Down**  **1.** Uses electrical engineering and computer science to develop computer hardware and software.  **2.** Calculate the stability and strength of built structures for buildings and nonbuilding structures  **6.** Engineering concerned with the design and operation of industrial chemical plants  **7.** An engineer who designs roads, bridges, dams and similar structures. |

   Mechanical       Computer       Civil       Chemical       Biomedical       Electrical       Environmental       Nuclear       Aerospace       Structural