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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