

Exercise 01

Complete the explanation using the words in the box forces – Mechanical engineers – Engineering – Scientists – Engineers – properties – tasks – heat

..... is the application of science and mathematics to solve problems.
..... figure out how things work and find practical uses for scientific discoveries.
..... and inventors often get the credit for innovations that advance the human condition, but it is engineers who are instrumental in making those innovations available to the world. are required to understand the laws of mechanics and thermodynamics, the effects of on solids and liquids, the flow of through substances, the of engineering materials, and the design of mechanisms to accomplish useful Mechanical engineers play a leading role in the advancement of technology for sustainable development.

In his book, "Disturbing the Universe" (Sloan Foundation, 1981), physicist Freeman Dyson wrote, "A good scientist is a person with original ideas. A good engineer is a person who makes a design that works with as few original ideas as possible.

Exercise 02

For each of the following mechanical engineering terms, identify the stressed syllable by underlining it. Pay attention to the pronunciation and stress pattern of each term. Then, practice saying the term with the correct stress.

1. Thermodynamics
2. Mechanical
3. Vibration
4. Stress Analysis
5. Centrifugal
6. Resonance
7. Materials Science
8. Thermocouple