

Electrician Part I

Vocabulary

Ex. 1. Match the words with their Russian equivalents.

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|---------------------------------|---------------------------|
| a. проводник | 1. inductance measurement |
| b. изоляционный слой | 2. in the loop |
| с. измеритель индуктивности | 3. insulating layer |
| d. область | 4. coulomb |
| e. в цепи | 5. primary |
| f. предохранительное устройство | 6. inductance meter |
| g. постоянный | 7. conductor |
| h. первичный | 8. constant |
| i. кулон | 9. flexible thread |
| j. измерение индуктивности | 10. region |
| k. пульсирующий | 11. pulsating |
| l. гибкая нить | 12. a safety device |

Ex. 2. Complete the sentences with the given words.

logic, magnetized, electronic, Harmonic, Self-inductance, Inductive, frequency, plug and play, complete circuit, Resistance, light bulb, Mutual inductance

The _____(1) device can help us conserve energy in our home.

The _____(2) of the electrical current affects how our appliances work.

To light up the room, we need to complete a _____(3) first.

A _____(4) can last for many years if used properly and efficiently.

_____ (5) frequencies can create beautiful sounds when played together on instruments.

Understanding _____(6) is essential for solving problems related to electricity.

Many modern devices are designed to be _____(7) for user convenience.

_____(8) in a wire can cause it to heat up when too much current flows.

_____(9) components are often used in circuits to store energy temporarily.

A _____(10) object can attract other metal objects due to its magnetic field.

_____(11) occurs when two coils influence each other's magnetic fields.

_____(12) is a property of a coil that allows it to resist changes in current.

Reading

Ex. 1. Read the text.

Working as an electrician has many advantages. One key benefit is job stability. People will always need electricity, so electricians are always in demand. Another advantage is the earning potential. Electricians can earn good wages, and there are opportunities for overtime pay.

Flexibility is also a major perk of this job. Electricians can work in various settings, including homes, businesses, and construction sites. This variety keeps the work interesting. Additionally, you can choose to be self-employed, which gives you more control over your schedule.

Becoming an electrician does not require a four-year college degree. Instead, you complete an apprenticeship, which often includes paid on-the-job training. This means you can start earning money while you learn the trade.

Safety is another aspect to consider. While the job has risks, electricians are trained to follow strict safety guidelines. This training helps reduce accidents and ensures a safer working environment.

Lastly, the sense of accomplishment is significant. You solve problems, fix issues, and improve people's lives by restoring power. This can be very rewarding and motivating for many people in the field.

Ex. 2. Answer the questions.

1. What are some advantages of working as an electrician?
2. How does job stability play a role in the electrician profession?
3. What opportunities for earning potential do electricians have?
4. In what settings can electricians work?
5. What is the educational requirement to become an electrician?
6. How does safety training benefit electricians in their work?
7. Why is the sense of accomplishment significant for electricians?

Communication

Ex. 1. Make sentences using the following words.

1. Electricians/work/dangerous
 2. job/physically/demanding
 3. training/certification/lot
 4. may/work/hours
 5. work/stressful/high-pressure
 6. exposure/various/hazards
 7. stay-up-to-date/codes/always
 8. challenging/troubleshoot/complex
 9. mentally/exhausting/working
- tight/deadlines/projects/often