



The Way into a Career Part I

Vocabulary

Ex. 1. Match the words with their definitions.

1. transistor 	a. a state of complete disorder and confusion where events are unpredictable.
2. a junction transistor	b. a device that allows electricity to flow in one direction only, often used for controlling current.
3. control	c. to direct or manage something so that it behaves in a desired way.
4. current	d. the part of a transistor that controls the flow of current between its other parts.
5. base	e. a small electronic component that can amplify or switch electronic signals.
6. chaos	f. a material that can conduct electricity under certain conditions, making it useful in electronic components.
7. semiconductor	g. a type of transistor made from two types of semiconductor materials that control current flow.
8. power source	h. relating to a type of transistor that uses both positive and negative charge carriers.
9. diode 	i. the flow of electric charge that moves through a conductor.
10. bipolar	j. an object or system that provides energy to operate electrical devices.

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

Solid state, reflex, pair, point-contact transistor, pyramid, connect wires, sinusoid, positive terminal, form, resistor

The _____(1) of the battery must be connected to the light bulb first.

A _____(2) is used in the circuit to limit the flow of electricity.

_____(3) devices are often more reliable than old vacuum tubes in electronics.

We need to _____(4) carefully to ensure there are no short circuits.

The _____(5) helps control the flow of electric current very effectively.

In a physics class, we learned that a _____(6) shape can distribute weight evenly.

The _____(7) of the light shining on the mirror showed how light travels.

When you draw a _____(8), it shows how alternating current varies over time.

The technician bought a _____(9) of batteries to use in the new toy.

Electronic components _____(10) the basis of most modern electrical devices we use today.

Reading

Ex. 1. Read the text.

Working as an electrician in the UK can be a rewarding career. Electricians are responsible for installing, maintaining, and repairing electrical systems in homes, businesses, and factories. It's a job that requires technical knowledge and practical skills. In the UK, becoming a qualified electrician typically involves completing an apprenticeship program. This combines on-the-job training with classroom instruction, allowing you to gain hands-on experience while you learn.

Electricians must also follow strict safety regulations to ensure that their work is safe and up to code. They often work with blueprints and building plans to install wiring and other electrical components correctly. Communication skills are important too, as electricians frequently interact with clients and other construction professionals.

One of the benefits of this career is job security. There's always a demand for skilled electricians, and the wages can be quite good. Additionally, experienced electricians have the option to specialize in areas like renewable energy or industrial electrics. If you enjoy problem-solving and working with your hands, a career as an electrician in the UK might be a perfect fit for you.

Ex. 2. *Answer the questions.*

1. What are the responsibilities of electricians in the UK?
2. How does one typically become a qualified electrician in the UK?
3. Why is it important for electricians to follow strict safety regulations?
4. How do electricians use blueprints and building plans in their work?
5. Why are communication skills important for electricians?
6. What is a benefit of pursuing a career as an electrician in terms of job security?
7. In what ways can experienced electricians specialize in their field?

Communication

Ex. 1. *Make sentences using the following words.*

1. install/electrical/wiring
2. repair/faulty/lighting
3. ensure/electrical/systems
4. troubleshoot/electrical/problems
5. work/power/tools
6. collaborate/other/tradesmen
7. follow/blueprints/technical
8. maintain/clean/organized
9. communicate/effectively/customers
10. stay/updated/latest