Reading Activity: The Future is Now

Before we discuss the future, let's read about how new technologies are working together to change our world. This text will help you understand the key trends we will discuss in the next activity.

Our Connected Future: How AI, AR, and Edge Computing Work Together

Technology is evolving faster than ever. It's not just about one new gadget; it's about how different technologies connect and work together. Three of the most important trends shaping our future are:

- **Augmented Reality (AR)**
- **Artificial Intelligence (AI)**
- **Edge Computing**

First, let's think about wearables and AR. Smartwatches already monitor our health. The next step is AR glasses.

Imagine a professional engineer looking at a machine. With AR glasses, they could see digital instructions and diagrams **right on top of the real equipment**. This is called an **overlay**.

This technology will help people:

- Work more efficiently
- Learn new skills very quickly

AR glasses will not just show information; they will let us **interact with the digital world** in a completely new way.

But how do these smart devices get so smart? The answer is **Artificial Intelligence (AI)**.

- AI is the "**brain**" behind the technology.
- It processes information and makes intelligent decisions.
- Example: AI in AR glasses can understand what you are looking at and show you the correct information.

In the future, AI will be in almost every device, from headphones to cars, making them **more helpful and personalized**.

Finally, none of this can be fast without **Edge Computing**.

- In the past, devices sent all their data to the Cloud to be processed, causing **delays (latency)**.
- For autonomous cars or doctors using AR glasses during surgery, **a delay is unacceptable**.
- Edge Computing processes critical data **locally or very close to the device**, making the response almost **instant**.

Together, these three trends create a **powerful ecosystem**:

- **AR** provides the interface to see and interact with digital information.
- **AI** provides the intelligence to make it useful.
- **Edge Computing** provides the speed to make it happen in real time.

Exercise 1: Check Your Understanding

Read the text and choose the correct option (A, B, or C) for each question.

1. **What is the main purpose of AR glasses, according to the text?**
   A. To monitor our health like a smartwatch.
   B. To show digital information on top of real objects.
   C. To send all data to the Cloud for processing.
2. **What is the main advantage of Edge Computing?**
   A. It stores massive amounts of Big Data in the Cloud.
   B. It has high latency, which makes it very safe.
   C. It processes data locally to reduce delays.
3. **How does the text describe the relationship between these technologies?**
   A. They are separate and do not work together.
   B. They connect to create a more intelligent and faster experience.
   C. AI is more important than AR and Edge Computing.

Exercise 2: Vocabulary Match

Match the words from the text (1-4) with their correct definitions (A-D).

Word

1. Overlay
2. Interact
3. Latency

4. Instantly

Definition

A. To communicate or connect with something.
B. A delay in data transfer.
C. A digital image or information placed on top of a real-world view.
D. Immediately, with no delay.

Result

1 -> C
2 -> A
3 -> B
4 -> D

Exercise 3: Complete the Ideas

Based on the text, complete the sentences with your own words.

1. An engineer can use AR glasses to see *information on the top of real objects.*
2. AI is called the "brain" of the technology because *it can process lot of information.*
3. Edge Computing is necessary for autonomous cars because it *don't have delay.*