Discussing Technology
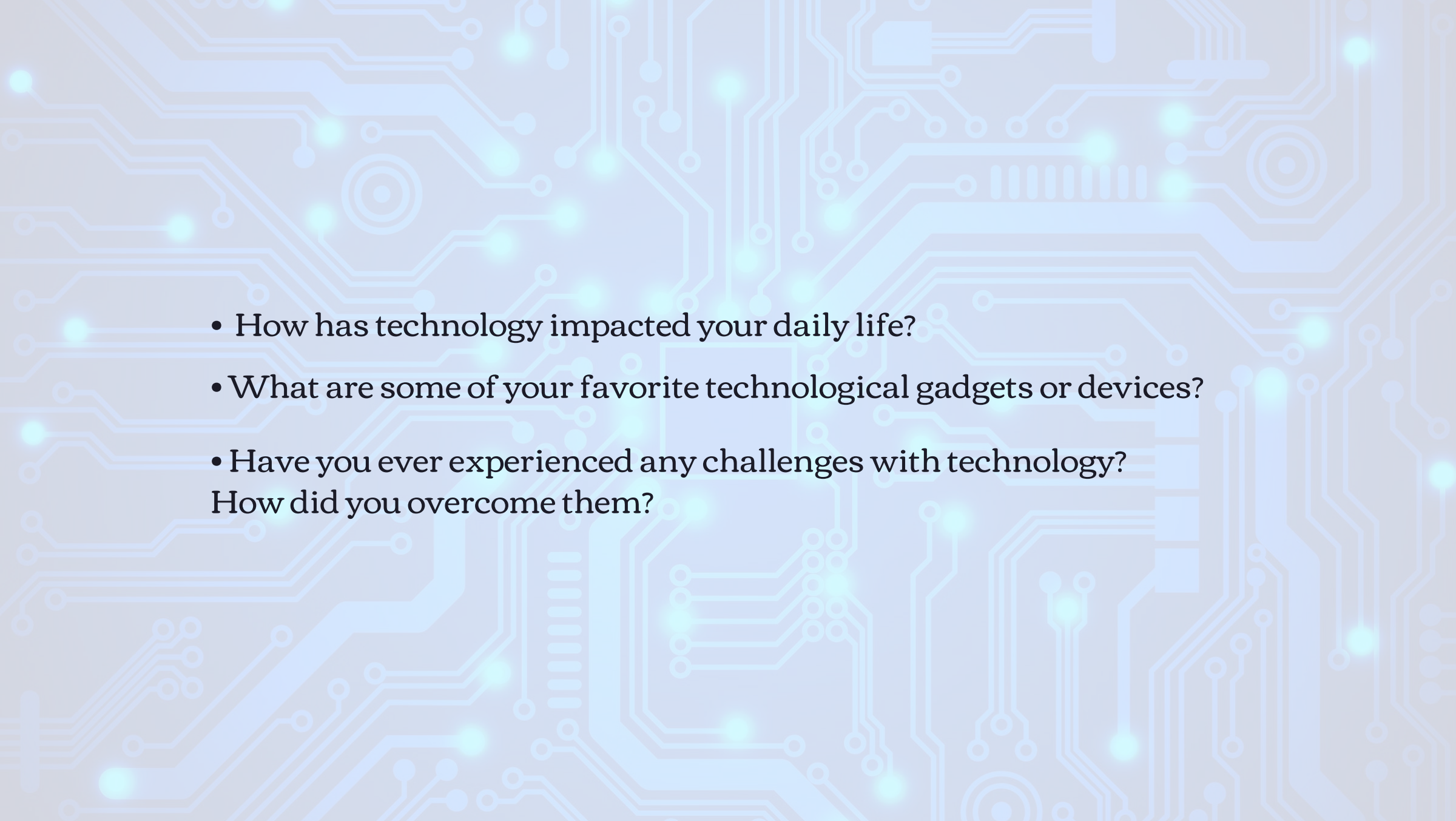
- How has technology impacted your daily life?

- What are some of your favorite technological gadgets or devices?

- Have you ever experienced any challenges with technology? How did you overcome them?

Software

Programs and applications used on electronic devices.

1 a. What types of software do you use most frequently?

2 b. Have you ever encountered issues with software compatibility?

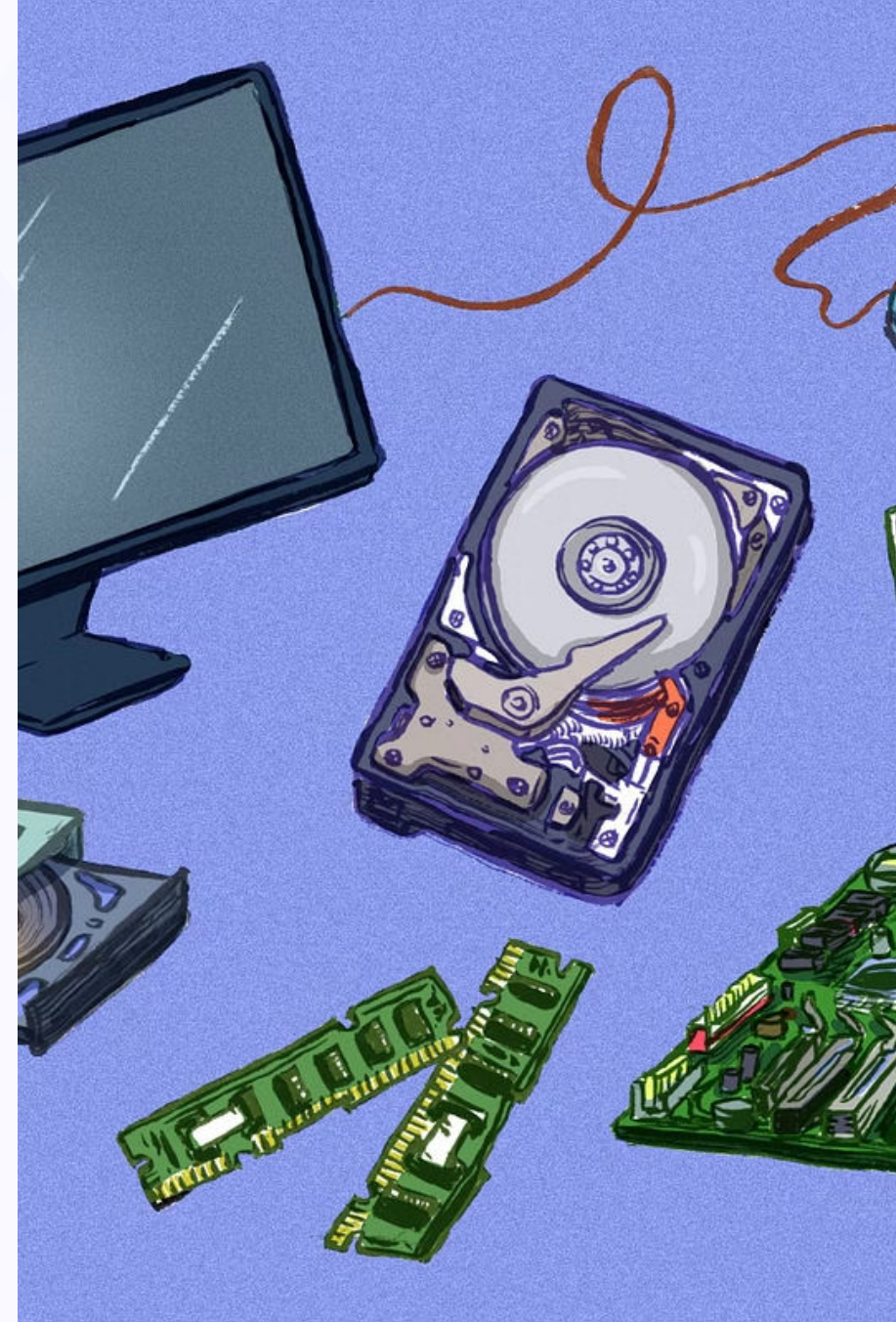**3** c. How important is it to keep your software up to date?

Sub vocabulary: operating systems, applications, updates

Hardware

Physical components of electronic devices.

1 Can you name some common hardware components of a computer?

2 Have you ever upgraded hardware components in a device?

3 Why is it important to maintain hardware properly?

Sub vocabulary: motherboard, processor, peripherals

Internet

Global network that connects computers and other devices.

a. How do you typically use the internet in your daily life?

b. What are some advantages and disadvantages of using the internet?

c. Have you ever experienced slow internet speeds? How did you resolve it?

Sub vocabulary: websites, browsing, broadband

Cybersecurity

Measures taken to protect computer systems and data from unauthorized access.

1 Why is cybersecurity important in today's digital age?

2 What steps do you take to ensure your online accounts are secure?

3 Have you ever experienced a cybersecurity breach? How was it handled?

Sub vocabulary: encryption, passwords, firewalls

Cloud Computing

Storing and accessing data and programs over the internet instead of a computer's hard drive.

1 a. How do you use cloud computing in your personal or professional life?

2 b. What are some benefits of using cloud storage?

3 c. Have you ever encountered any challenges with cloud computing?

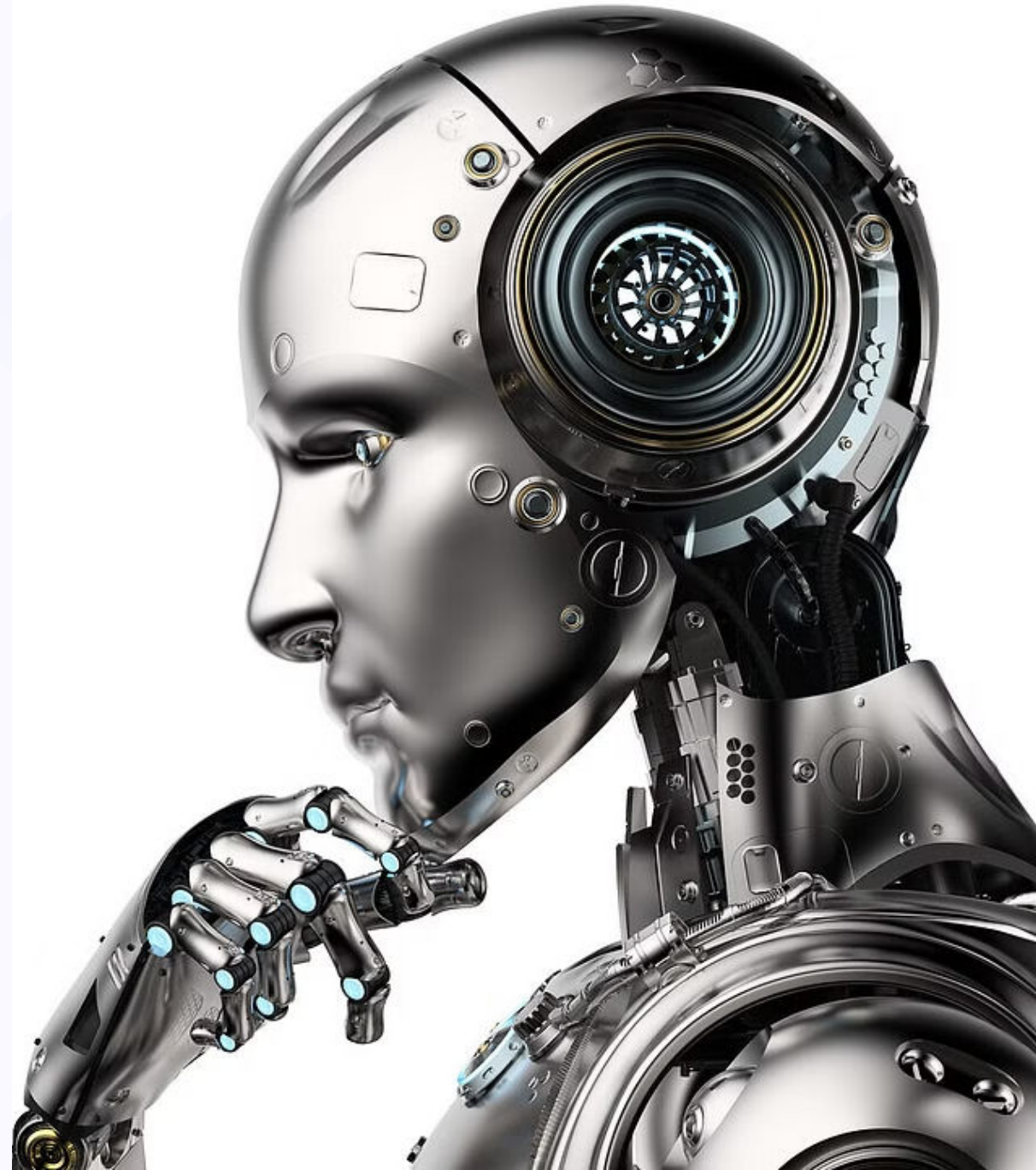Sub vocabulary: cloud storage, synchronization, remote access

Artificial Intelligence (AI)

Simulation of human intelligence processes by computer systems.

a. What are some examples of artificial intelligence that you interact with regularly?

b. How do you feel about the increasing use of AI in various industries?

c. What potential benefits and drawbacks do you see in the development of AI?

Sub vocabulary: machine learning, algorithms, automation

Data Analytics

Process of analyzing, interpreting, and visualizing data to make informed decisions.

1 In what ways can data analytics be useful in business?

2 Have you ever used data analytics tools or software?

3 How do you think data analytics can impact decision-making processes?

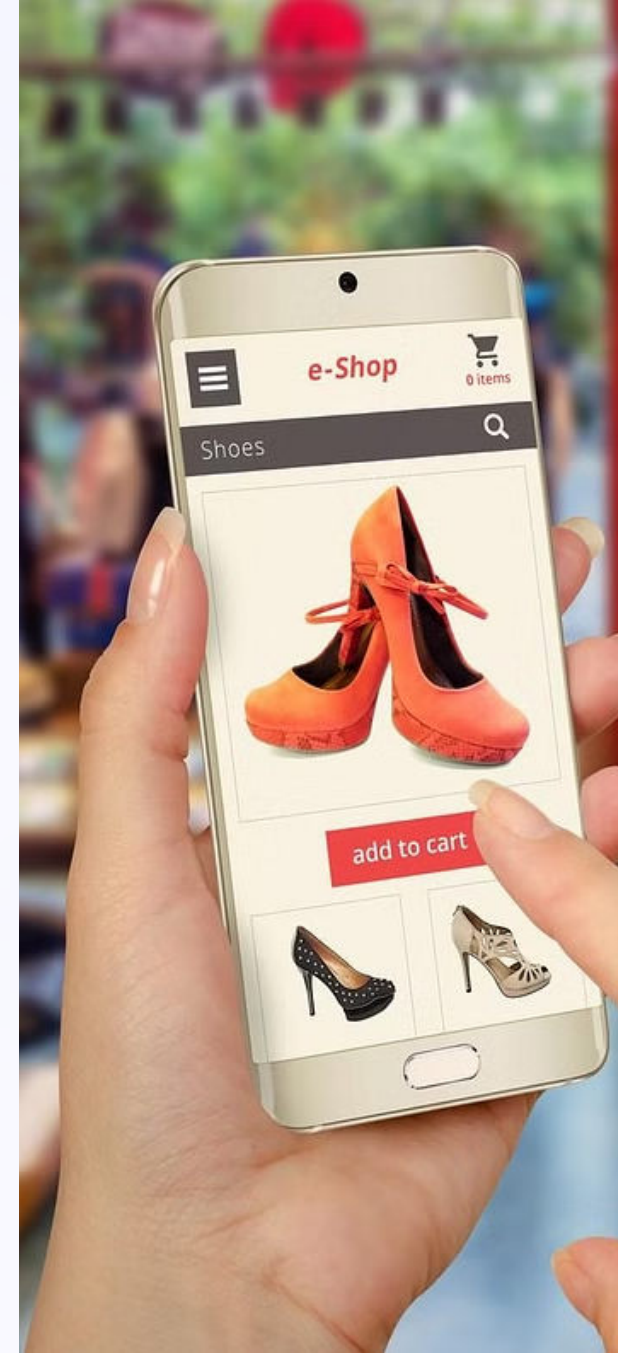Sub vocabulary: data visualization, predictive analytics, insights

E-commerce

Buying and selling goods and services over the internet.

How often do you shop online? What do you typically purchase?

What are the advantages and disadvantages of e-commerce?

Have you ever encountered any issues with online transactions?

Sub vocabulary: online shopping, digital payments, delivery

Social Media

Online platforms and websites that enable users to create and share content.

1 — Which social media platforms do you use regularly?

2 — How do you use social media for personal or professional purposes?

3 — What are some benefits and risks associated with social media use?

Sub vocabulary: networking, influencers, engagement

Virtual Reality (VR)

Virtual Reality (VR): Immersive multimedia experience that simulates reality.

1 Have you ever tried virtual reality technology? What was your experience like?

2 In what industries do you see potential applications for virtual reality?

3 How do you think virtual reality could change entertainment and education?

Sub vocabulary: headsets, simulations, gaming

Big Data

Large volumes of data that cannot be processed using traditional methods.

1 What types of organizations benefit from analyzing big data?

2 How is big data used to improve decision-making processes?

3 What challenges may arise when dealing with big data?

Sub vocabulary: data mining, analytics, insights

Internet of Things (IoT)

Network of interconnected devices that communicate and share data.

Can you name some examples of IoT devices in your home or workplace?

How does IoT technology improve efficiency and convenience?

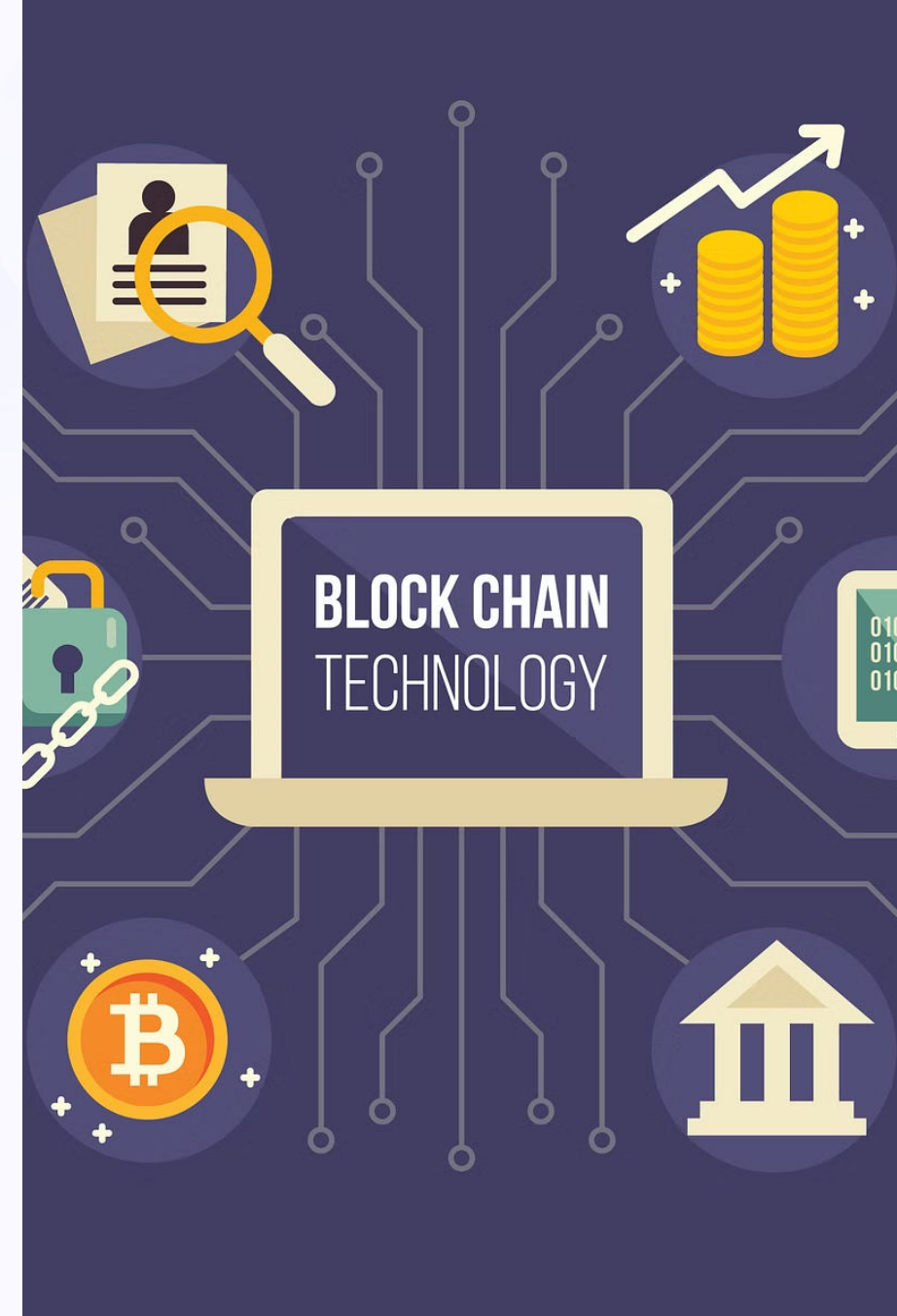What are some potential privacy and security concerns associated with IoT?

Sub vocabulary: sensors, connectivity, automation

Blockchain

Distributed ledger technology used to record transactions securely and transparently.

1 How does blockchain technology work?

2 What are some industries that could benefit from adopting blockchain?

3 What are the advantages of using blockchain for transactions?

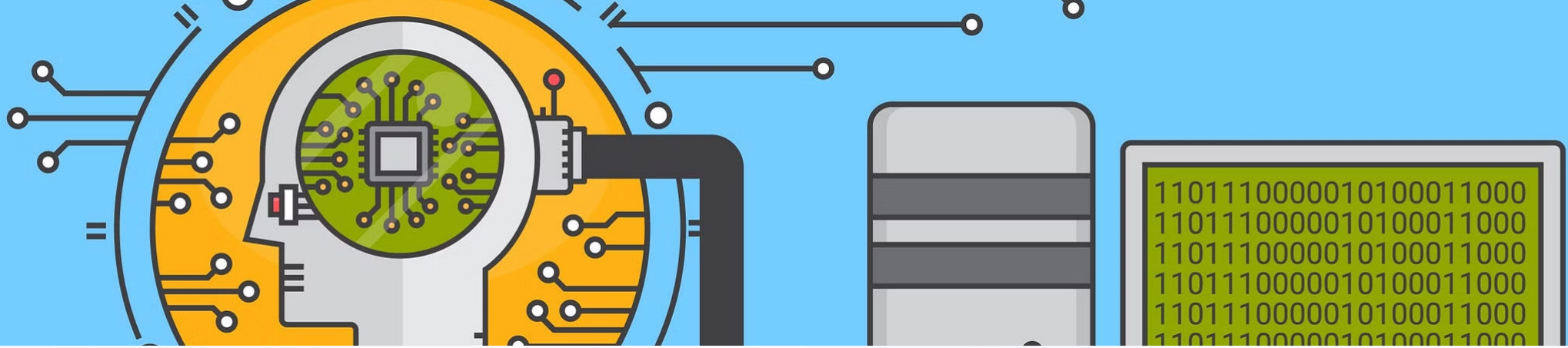Sub vocabulary: cryptocurrency, smart contracts, decentralization

Augmented Reality (AR)

Technology that overlays digital information onto the real world.

1 — a. Have you ever experienced augmented reality applications? Describe your experience.

2 — b. In what ways can augmented reality enhance user experiences?

3 — c. What are some potential challenges in implementing augmented reality technology?

Sub vocabulary: mobile apps, visualization, gaming

Machine Learning

Subset of artificial intelligence that enables systems to learn and improve from experience.

1 How is machine learning used in everyday applications?

2 What are some benefits of using machine learning in business?

3 What ethical considerations should be taken into account when developing machine learning algorithms?

Sub vocabulary: algorithms, training data, automation