

# Unit 18: Science & Technology Vocabulary

## 1. Scientific Professions

Complete the definitions by matching the correct specialist to their field of study. Note: there are three extra words in the word bank.

**Word bank:** Anatomist, Archaeologist, Astronomer, Computer scientist, Ecologist, Economist, Geneticist, Geologist, Linguist, Meteorologist, Oceanographer, Physicist, Psychologist

	Definition	Word
1.	A scientist who studies the earth's atmosphere and weather patterns.	
2.	A person who studies human history and prehistory through the excavation of sites and the analysis of artifacts.	
3.	An expert in the study of genes, heredity, and variation in living organisms.	
4.	Someone who studies languages, their structure, grammar, and history.	
5.	A specialist who studies the production, distribution, and consumption of goods and services.	
6.	A scientist who studies the physical and biological aspects of the ocean.	
7.	A scientist who specializes in the study of the mind and human behaviour.	
8.	An expert in the study of celestial bodies such as stars, planets, and galaxies.	
9.	A specialist in the branch of science concerned with the nature and properties of matter and energy.	
10.	A scientist who studies the relationships between living organisms and their physical environment.	

## 2. Hardware Identification

Match the computer hardware vocabulary to the correct icon.

Hardware Name	Component
1. <b>Motherboard</b>	 A dark grey rectangular solid-state drive (SSD) with the letters 'SSD' in white on a silver label.
2. <b>Router</b>	 A green printed circuit board (PCB) with various electronic components, including a central processor, capacitors, and connectors.
3. <b>Webcam</b>	 A black graphics card with a large cooling fan and multiple ports, set against a pink background.
4. <b>Solid-state drive (SSD)</b>	 A white wireless router with two antennas and a blue Wi-Fi symbol, set against a light orange background.
5. <b>Graphics card</b>	 A black webcam mounted on a silver stand, set against a light blue background.

### 3. Tech Trouble (Phrasal Verbs & Actions)

Read the story below about a frustrating day at the office. Fill in the blanks with the correct words from the bank. Note that there are three extra words in the bank.

**Word bank:** log on, password, download, buffer, wireless, router, crash, reboot, attachment, save, external hard drive, cybersecurity, encryption, touchscreen

It was a terrible morning. First, I tried to (1) \_\_\_\_\_ to my computer, but I had forgotten my new (2) \_\_\_\_\_ so I was locked out for ten minutes.

Once I finally got access, I tried to (3) \_\_\_\_\_ the new software update required for the meeting, but the internet connection was so slow that the progress bar just started to (4) \_\_\_\_\_ endlessly. I checked my connection and noticed the (5) \_\_\_\_\_ signal was very weak, possibly because I was too far from the (6) \_\_\_\_\_.

Suddenly, the whole screen went black; the system decided to (7) \_\_\_\_\_ completely. I had to (8) \_\_\_\_\_ the machine three times before it worked. By then, I had missed the email with the important (9) \_\_\_\_\_ sent by my boss. I tried to (10) \_\_\_\_\_ the document I was working on, but I realized I hadn't plugged in my (11) \_\_\_\_\_.

### 4. Advanced Concepts & Security

1. <b>Which technology creates a simulated environment that surrounds the user, often using a headset?</b>	a) Artificial Intelligence (AI) b) Virtual Reality (VR) c) Wireless Technology d) VPN
2. <b>What is the process of converting information into a secret code to prevent unauthorised access?</b>	a) Encryption b) Browsing c) Scanning d) Scrolling
3. <b>Which term describes the crime of stealing someone's personal details to pretend to be them?</b>	a) Cybersecurity b) Identity fraud c) Voice recognition d) Cloud storage
4. <b>Which computer science field focuses on creating machines that can perform tasks requiring human intelligence?</b>	a) Anatomy b) Artificial Intelligence (AI) c) Geology d) Ecology

5. <b>What is the practice of protecting systems, networks, and programmes from digital attacks?</b>	a) Cybersecurity b) Cloud storage c) Bluetooth d) Video conferencing
6. <b>Which service allows users to store data on remote servers accessed via the Internet?</b>	a) Hard drive b) RAM c) Cloud storage d) Motherboard
7. <b>Which technology allows you to provide commands to a device using your speech?</b>	a) Virtual Reality b) Voice recognition c) Encryption d) Cybersecurity
8. <b>What is the name for a secure connection between a user and the Internet that hides their identity?</b>	a) VPN b) USB c) SSD d) PC

## 5. Categorization: Hardware vs Software

Look at the items in the first column and decide whether they belong to physical hardware or software. Tick the correct category for each word.

Item	Hardware & Accessories	Software & Programs
1. Keyboard		
2. Browser		
3. RAM		
4. Search Engine		
5. Scanner		
6. Operating System		
7. Mouse mat		



8.	App		
9.	Motherboard		
10.	VPN		
11.	Graphics card		
12.	Computer program		
13.	Router		
14.	Video conferencing		
15.	Hard drive		
16.	Cloud storage		

## 6. Mixed Context Gap-Fill

Complete the sentences using the words from the bank.

**Word bank:** vaccination, scroll, vacuum cleaner, memory stick, biology, mathematics, engineering, touchscreen

1. If you want to read the rest of the article, you need to _____ down to the bottom of the page.
2. My mother bought a robot _____ that cleans the floors automatically while she is at work.
3. He saved his presentation on a small _____ so he could plug it into the school projector.
4. The doctor explained that the _____ would protect the child from the virus.
5. She is fascinated by living organisms, so she decided to major in _____ at university.