UNIT 1 BUILD-UP YOUR VOCABULARY on technology

1. New sciences : match these words with their definition and applications

a) Genetic engineering

b) Ergonomics

c) Molecular biology

d) Voice technology

e) Stem cell research

f) Cloning

g) Hydroponics

(1) The study of the structure and function of the molecules associated with living things.

(2) Works with genetic material (DNA) of living things to alter GM foods (genetically modified foods) are grown in some parts of the world.

(3) Studies the design of physical working spaces and how people interact with them.

(4) Technology which enables machines to interpret speech, e.g. voice-to-text software.

(5) The study of the use of human cells to treat diseases and injury and to repair the body.

(6) The science of growing plants without using soil,

(7) The creation of exact copies of plants or animals with the same genes as the original plants or animals.

2. What item do you think each person needs ?




Kindle


Laptop


Router


desktop computer

a) 'I keep losing my way and I'm not good at reading maps.' Needs: ..... .

b) 'My phone is so old I can't take any videos with it.' Needs: ..... .

c) 'I'd love to be able to look at my photos any time I want to.' Needs: ..... .

d) 'My old camcorder doesn't produce really sharp movies.' Needs: ..... .

e) 'It was a fantastic film. I didn't mind wearing the special glasses. It was so realistic.'I'd love to be able to do that at home.' Needs: ..... .

f) 'I want something like a laptop with a touch screen that I can watch films on or read e-books.' Needs: ..... .

3. Which type of device is the speaker talking about in the following sentences?

a) I prefer it to my mobile because it's much bigger, but it's still not too heavy to carry around. I can Skype on it and take photos with it. I can access my emails wherever I am. I just can't make ordinary phone calls. _____

b) The picture is really high quality and it's fun being able to send in comments at the same time as you're watching a programme._____

c) It's pretty small and light, but the screen and keyboard are not very big and I find the trackpad more awkward to use than a mouse._____

d) I always use this rather than my laptop when I'm at home; I have it on a special table in my room next to my printer._____

e) I used to have to take so many books when I went on holiday but now I don't need to. I just have to remember my charger!_____

f) I changed its position and now I can get online from any room in the house._____

LIVEWORKSHEETS

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4. **Here are some other words and phrases connected with computers. Fill the gaps in the sentences. Use a dictionary if necessary.** Computer – nerd - app - thumbnail - icon - screensaver – trackpad - techie - footprint

a) There are some good pictures of the Olympic Games on that sports website. You can look at pictures and then click on them to see the full-size version. _____

b) My younger brother's a real . He never goes out, and all he ever thinks about is computers, computers, computers. _____

c) I'm a bit of a really; I love getting the latest mobile phone or digital camera. _____

d) I've downloaded a great new gaming onto my phone. _____

e) His on his laptop is a really cool picture of the night sky. _____

f) Just click on that there to open the program. _____

g) I don't really like this on my laptop; I'd prefer a proper mouse. _____

5. **What types of technology would you associate with the following?**

digital technology – satellite communications – artificial intelligence – Bluetooth – ergonomics – biotechnology

a) a round-the-world yachtsman/woman trying to establish his/her exact position:_____

b) a designer creating a new type of computer keyboard which would be more efficient and comfortable to use:_____

c) a scientist producing a new type of wheat which does not need to be sprayed against insects: _____

d) a camera that produces photos that you can store on a computer or your phone:_____

e) a computer that can make decisions for itself:_____

f) a music player in your car that you can connect your phone to with no wires:_____

6. **Complete the word beginning with 'techn…' in each sentence.**

a) Karl got a good job as a lab techn____ in the university.

b) In this country, young people techn____ become adults at the age of 18.

c) Computer techn____ makes huge advances every year.

d) Andrea has a very interesting techn____ for remembering vocabulary.

e) Publicity photos of celebrities have usually been techn____ enhanced.

7. **Fill in with the appropriate word**

(a) webcam
(b) microphone
(c) screen
(d) printer
(e) keyboard
(f) escape key
(g) spacebar
(h) mouse mat
(i) mouse
(j) CD-ROM
(k) memory stick



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8. Listen to these words and classify them in two categories

NOUNS	ADJECTIVES	VERBS

9. Then fill in the following sentences with the nouns.

a) The pace of technological _____ over the past 20 years has been astonishing.
b) _____ is advancing at such a rate that it's difficult to imagine what our lives will be like in 20 years time.
c) Some people argue that the invention of the mobile phone is the most important technological _____ of all time.
d) Last _____ in space travel may mean that our ancestors have lived on other planets.
e) Further _____ is needed in the farming industry if we are to be able to feed ourselves in the future.

10. Use the most adapted adjectives from exercise 8 to translate these sentences into English:

a) Cette société utilise des techniques **de pointe**.

b) Jerry a été obligé de changer sa vieille imprimante devenue **obsolète** mais il n'a pas les moyens d'en acheter une autre.

c) Pour beaucoup de personnes, le téléphone portable est devenu **indispensable**.

d) Le développement de l'ordinateur personnel s'est révélée **être une révolution** pour le monde de l'entreprise.

e) Dans les pays en voie de développement, les technologies simples offrent souvent une solution plus pratique aux problèmes quotidiens par opposition aux technologies **avancées** gérées par ordinateur du monde occidental.

f) Certaines solutions **de haute technologies** sont moins fiables que les technologies de base qu'elles remplacent.

g) Le nouveau design de l'avion était **dernier cri** et on s'attendait à ce qu'il révolutionne l'expérience de vol pour les passagers

h) Guti était un membre de l'équipe hautement estimé étant donné qu'il trouvait souvent des solutions **innovantes** aux problèmes.

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11. Find out the most adapted verb for each sentence change -modify - revolutionise – transform – turn into – affect - develop – influence -

a) There's no doubt that computers have _____ our lives.

b) But mobile phones have _____ them radically.

c) I can confidently predict that they will continue to _____ at a rapid rate.

d) There can be no denying that social networks have _____ our lives _____ something weird.

e) Artificial intelligence is _____ the way we understand our world.

f) Social media has radically _____ both how we communicate and who we communicate with.

g) It now _____ almost every aspect of our daily lives from how we shop to how we spend our leisure time.

h) Being disabled, I need a car that can be _____ to meet my specific needs.

12. Match the verbs with the correct definition.

1..... to develop

2..... to supersede

3..... to take off

4..... to take over (from someone)

5..... to surpass

6..... to evolve

a. to go beyond
b. to start doing something someone else was doing
c. to replace something older or less advanced
d. to suddenly start to be successful
e. to develop gradually (especially for a biological species)
f. to grow or improve, or to make something grow or improve

13. Match the vocabulary with the correct definition

1..... a robot

2..... an algorithm

3..... artificial intelligence (AI)

4..... a drone

5..... a foe

6..... autonomous

a. an enemy
b. a computer-controlled machine which can perform jobs without human input. It may have a human-like body
c. mathematical instructions which help a computer calculate an answer to a problem
d. the field of science concerned with producing machines with qualities of the human mind, e.g. the ability to understand language
e. independent, with the power to make your own decisions
f. an aircraft without a pilot which is controlled by a human on the ground

14. Find out the right verb corresponding to these icons

a) open a new document
b) open an existing document
c) copy
d) paste
e) cut
f) save
g) print



LIVEWORKSHEETS