



BUSION Workbook

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Starter unit

Reading

1 Answer the questions.

1	Where did each pair meet?
2	Why was understanding the double helix important?
3	How did Ben and Jerry change the ice cream business?
4	What did Page and Brin figure out?

Vocabulary Adjectives: qualities

2 * Choose the correct option.

- 1 The doctors at the hospital are all **dedicated / outgoing** professionals.
- 2 When I told Sam I'd lost my weekend job, he was enthusiastic / sympathetic.
- 3 Jenna is always so **responsible** / **enthusiastic** that she makes everyone else feel positive, too.
- 4 Anya is very **outgoing / responsible** and would never take unnecessary risks.
- 5 Chris is always willing to listen and help he's the most responsible / supportive colleague I know.

3 ** Complete the sentences with the adjectives.

C	ledicated enthusiastic outgoing responsible supportive
1	Lauren is veryand loves meeting people.
2	My brother loves Jay Z. He's afan.
	We trust Ashley to look after the store when we go away – she's so
	Tom's parents were reallywhen he wanted to be an actor – they always encouraged him.
5	Megan is soabout her job – she loves it.

Three historic partnerships

James Watson and Francis Crick

If the American scientist James Watson hadn't met his British colleague Francis Crick in the early 1950s, scientific history might have been very different. Both were dedicated researchers, and at the Cavendish Laboratory in Cambridge, U.K., they worked together to understand the structure of the DNA molecule. They built on the work of two other scientists, Maurice Wilkins and Rosalind Franklin, who were supportive of their ideas. Subsequently, they were able to describe the structure known as the double helix — the structure which forms the basis of all life. In 1962, Watson, Crick, and Wilkins were awarded the Nobel Prize. Sadly, Rosalind Franklin had died in 1958.

Ben Cohen and Jerry Greenfield

If you like ice cream, you're probably familiar with the names Ben and Jerry. Ice cream is big business in the U.S. Ben Cohen and Jerry Greenfield, who had been friends since school, started their business in the 1970s

in a renovated gas station in Vermont, in the northeastern U.S. They changed the industry by inventing innovative ice cream flavors that quickly became famous worldwide. Ben and Jerry were also responsible employers who were interested in the welfare of their staff and set up programs to help with childcare and college tuition. They were sympathetic to their employees' opinions, allowing them to evaluate their bosses and express their ideas and concerns.

Larry Page and Sergey Brin

the world's largest search engine.

If there was no Google, our Internet browsing experience would be very different. The search engine was developed by Larry Page and Sergey Brin, who met when they were computer science PhD students at Stanford University, in California. Page was working on a project to discover how web pages could connect to each other. Brin was enthusiastic, and together, the two figured out an algorithm to connect web pages that was better than anything in existence at the time. As a result, the first version of Google was completed in 1996. Over the next 20 years, Google became

Grammar Conditionals

4 ★ Match 1–4 to A–D.

		If you want to work in the technology sector, If I had more money,	
		If I'd known at 14 what I know now,	
		If you ask anyone what they can't live without,	

		I would have studied different subjects in school.	
		they'll probably say the Internet.	
		you need to intern with the big tech companies.	
	D	I'd probably buy a new car.	
5	*	Correct the <u>underlined</u> mistakes.	
	1	If Rosalind Franklin <u>didn't die</u> , she might have won the Nobel Prize, too	
	2	If I had the opportunity, I <u>will</u> study genetics.	
	3	If Sergey Brin hadn't gone to Stanford, he <u>hadn't</u> m Larry Page.	et
	1	If you <u>used</u> Google, you're one of more than a billic	nn.
	7	people worldwide	ווע
	5	If you will eat a lot of ice cream, you'll probably put	on
		weight.	
6	4	++ Complete the contended with the correct	
6		** Complete the sentences with the correct onditional form of the verbs in parentheses.	
6	cc	If Crick and Watson hadn't met, someone else	
6	cc	onditional form of the verbs in parentheses.	٨.
6	c c	If Crick and Watson hadn't met, someone else	٨.
6	1	If Crick and Watson hadn't met, someone else (discover) the structure of DNA I(buy) you lunch if you want. If Larry Page(keep) the origina	I
6	1 2 3	If Crick and Watson hadn't met, someone else	l ub.
6	1 2 3	If Crick and Watson hadn't met, someone else (discover) the structure of DNA I (buy) you lunch if you want. If Larry Page (keep) the origina name for Google, it would have been called BackRi We wouldn't be able to map the human genome in	l ub.
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	1 2 3 4	If Crick and Watson hadn't met, someone else	l ub. f
	1 2 3 4 5 xt	If Crick and Watson hadn't met, someone else	l ub. f
	1 2 3 4 5	If Crick and Watson hadn't met, someone else	l ub. f
	1 2 3 4 5 xt	If Crick and Watson hadn't met, someone else (discover) the structure of DNA (buy) you lunch if you want. If Larry Page (keep) the origina name for Google, it would have been called BackRo We wouldn't be able to map the human genome if we (not understand) DNA. If scientists (examine) DNA from a crime scene, they can identify who was there. Tra vocabulary Match the nouns to the definitions. aggression compassion joy trust	l ub. f m
	1 2 3 4 5 xt 1 2	If Crick and Watson hadn't met, someone else	l ub. f m
	1 2 3 4 5 xt 1 2 3	If Crick and Watson hadn't met, someone else (discover) the structure of DNA I (buy) you lunch if you want. If Larry Page (keep) the origina name for Google, it would have been called BackRi We wouldn't be able to map the human genome if we (not understand) DNA. If scientists (examine) DNA from a crime scene, they can identify who was there. If a vocabulary Match the nouns to the definitions. aggression compassion joy trust a belief that someone won't lie to you (methods)	l ub. f m

8	**	Complete	the sentences	s with	the nouns
---	----	----------	---------------	--------	-----------

÷.	affection bravery intelligence sympathy
1	He received a medal for
2	Passing the test requires
3	Su loves her dog, and shows her a lot of
	*
4	When my parents divorced, my friends were very kind and treated me with

Vocabulary consolidation

9 *** Complete the social media post with the correct nouns and adjectives.

So, today is the day we move	to a new house. ⊗ As you
know, I'm not very (1) moving. You have been such	
You were so (2)	when my grandmother
was sick, and you shared my	(3) when
she got well again. I'm a little	nervous about starting
a new school. Hopefully, som	eone will show the "new
girl" some (4)	Seriously, I will miss you
all. But I know you're all (5)	Facebook
users, so I'm not worried abou	ut staying in touch! Stacey

Vocabulary Expressions with have and take

- 10 * Choose the correct option.
 - 1 This designer **has / takes** an eye for color.
 - 2 The view will **have / take** your breath away.
 - 3 Thanks for a great party we had / took a ball.
 - 4 | have / take no idea what you're talking about.
 - 5 I watched a movie to have / take my mind off work.
- 11 ** Complete the text with the expressions.

a good nose for an open mind it easy it from me note of

If you want to be a journalist, first, you need to have
(1)a story. When you're doing
research, it's important to have (2)
but don't believe everything you read or hear. When
you're interviewing someone, listen carefully and
take (3) everything they say. Take
(4), you never know what might
be important. Finally, it's hard work, so you need to be
able to switch off and take (5)

Grammar Present perfect simple and continuous

12 * Choose the correct option.

- 1 I'm so glad you've arrived / been arriving I've waited / been waiting for you for ages.
- 2 Tom has worked / been working on his essay all week, but he hasn't finished / been finishing it yet.
- 3 Have you **checked / been checking** your messages recently? I've **tried / been trying** to get in touch with you all morning.
- 4 My mom has **tried / been trying** for months to get my dad to take a vacation now he's finally **agreed / been agreeing**.

13 ** Complete the sentences with the correct present perfect simple or continuous form of the verbs in parentheses.

1	(think)	about applying to study
	medicine, but I	(not make)
	a decision yet.	
2	2 Dani(se	nd) out about 50 job
	applications, but she	(not have)
	a single interview.	
3	I(watch It's the last episode today, ar	
	(still / not guess) who the kil	
4	Do you think Laura	(find)
	a new bike yet? I know she	
	(already / try) a lot of models	S.
5	Kenan (d	only / play) the guitar
	for a year, but he	(already / post)
	three of his songs online	

14 *** Complete the sentences so they are true for you.

1	I've already today
2	l've never
	I've beenrecently
4	I've been for
5	I haven't been
6	I haven'tyet.
	I'vesince

Vocabulary Expressions with get and make

9		and make
15		* Complete the sentences with the correct form the verbs <i>get</i> or <i>make</i> .
	1	It's important to involved in school clubs.
	2	I need to permission to work after school.
	3	How can I a good impression at my interview?
	4	mistakes is part of the learning process.
	5	I want to do a job that a difference.
16		Complete the text with the correct form of expressions.
		get better get the feeling get things done make an effort make the most of
V	se ar Th im to Ell m (5)	with my studies this emester. My teachers have been very supportive, and I (2)
17	*	** Complete the dialogue with the correct form the verbs get, have, make, or take.
		You're always saying I (1)a good nose for business, right? Well, I've just started a business. It's a website to help teens find employment.
	В	Cool. But what do your parents think? Did you (2) their permission?
	Α	Of course – they don't mind. They think it'll (3)a good impression on my college applications.
	В	I'd love to (4) involved. Can I help you?
	Α	Sure. Want to see the website I've built?

B Wow, that looks so professional! (5)

it from me, this is going to be really popular.

Vocabulary Verbs + prepositions

18 * Choose the correct option.

- 1 The best way to prepare **for / on / to** your tests is to concentrate **from / in / on** one subject at a time.
- 2 Ali is interested in / on / to medical school; she wants to specialize for / in / on tropical medicine.
- 3 I've participated **from** / **in** / **on** a lot of competitions, but I've never succeeded **in** / **on** / **to** winning one.
- 4 Many old people depend **for / on / to** their children to care **for / from / on** them.
- 5 I can't decide in / on / to which college to apply to. I think I'd benefit from / for / on some advice.

19 ** Complete the sentences with the verbs + prepositions in the box.

benefit from care for concentrate on decide on interested in

- 1 It's hard tostudying when it's so noisy.
- 2 A good way to _____something important is to make a list of pros and cons.
- 3 I'm not _____ politics.
- 4 Listen to Dad's advice you'llhis experience.
- 5 | often my baby brother.

20 *** Complete the text with the correct verb + preposition combinations.

St Martin's > The interview process



Language point Future continuous and future perfect

21 ** Complete the sentences with the correct future perfect or future continuous form of the verbs in parentheses.

1	By this time next year, I	(leave)
	school, so I	(look) for a job.

3	Jo	(not apply) for a job at	t the
	new mall; she thinks sh	e	(find)
	a different job by the ti	me they advertise.	

4	l(wo	rk) on my assignment all
	weekend, but I know I	(not finish)
	it before Sunday evening.	
_	Vatura	(already / leave) on Caturday

5 Katya (already / leave) on Saturday morning, so she (not join) you for the party in the evening.

Grammar consolidation

22 Complete the text with the correct conditional, present perfect, or future form of the verbs in parentheses.

l've (1)	(go) to our local park since
I was a little kid.	Recently, there (2)
(be) an increase	in the trash in the park. If you go
in there, you (3).	(see) it – it's
everywhere! My	friends and I (4)
(always / hate) t	rash, so we decided to do something
about it. For the	last month, we (5)
(pick up) trash o	ne day a week after school. We
(6)	(collect) a lot of trash so far!
And if I had a do	ollar for every piece of trash we've
collected, I (7)	(be) rich. We
(8)	(do) another clean-up soon,
so hopefully we	(9)(clean up) all
the trash by the	time we finish.

Writing task

23 Write a paragraph (about 150 words) about some rules that you think are important in life.

All in the mind

Vocabulary Adjectives: feelings

1 ★ Match the adjectives to pictures 1–6.

ashamed eager exasperated miserable thrilled valued

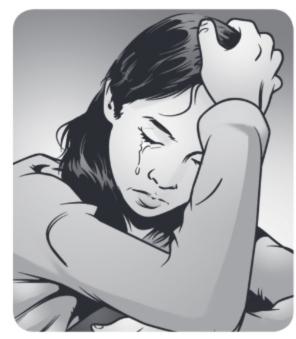




1







3







5

6	
6	

2 ** Match the adjectives to the definitions.

content devastated envious fulfilled upbeat vulnerable

1	happy and satisfied that you are doing something useful with your life
2	weak and easily hurt
3	happy and satisfied with what you have
4	positive and enthusiastic
5	wanting to be in the same situation as someone else
6	extremely shocked and upset

3 *** Write sentences about your own feelings and experiences using the adjectives.

ashamed exasperated	content fulfilled	devastated miserable	eager valuable	envious valued
1				
2				
3				
4				
5				

Extra vocabulary

4 ** Complete the text with the nouns.

analysis		evidence			
			•		Institute in
the U.S. su	uggests	s that peop	ole in riche	er count	ries aren't
necessaril	y happ	ier than th	nose in po	orer cou	ntries.
Psycholog	gists co	nducted a	nationwi	de (2)	
with Ame	ricans f	from all pa	rts of soci	ety, to te	est the
(3)		that wealt	h and mat	erial pos	ssessions
alone dor	ı't make	e people c	ontent or	fulfilled.	Their
(4)		of the (5)		provid	ded clear
(6)		that what	makes pe	ople hap	py in the
long term	are str	ong socia	l relations	nips and	a sense
of commu	unity.				

Grammar Stative and dynamic verbs

1	*	Choose	the	correct	option
	7.7	C11003C		COLLECT	Option

1 Dan ... six programming languages.

A knows **B** is knowing

2 The workload this semester ... me really stressed.

B is making A makes

3 If you ... that money will make you happy, you're wrong.

A believe

B are believing

4 The scientists ... more research now.

A do

B are doing

5 I... my literature class – it's so interesting.

A like

B am liking

6 Being happy ... on how you think, not what you have.

A depends

B is depending

2 ** Complete the sentences with the correct form of the verbs in parentheses.

1 We need to find out what everyone

......(want) to do this weekend.

2 I've written about half of my essay, but I

......(have) difficulty thinking of a way to finish it.

3 My brother _____ (think) about taking a year out before starting college next year.

4 My uncle (own) three houses.

5 Currently, the number of people applying to study in other countries _____ (increase) dramatically.

6 You _____ (see) a lot more ads online these days.



3 *** Read the blog post. Then complete it with the correct form of the verbs.

believe enjoy have love respect say think understand

Just a quick update to let you all know how much I (1)
own, but I (5) that if you don't take risks, and you (6) the culture, you'll be fine.
Anyhow, no problems so far. I (7) such a good time over the past month that I (8) about staying a couple more weeks.

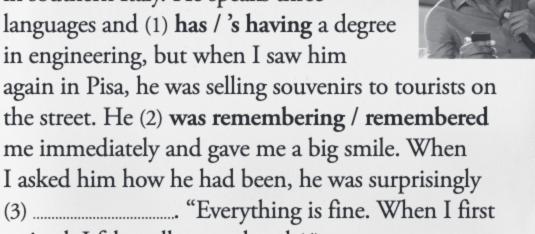
Consolidation

4 Complete the article with the adjectives and choose the correct option.

ashamed content envious exasperated upbeat vulnerable

Solomon is a refugee from West Africa who I first met in a reception center in southern Italy. He speaks three languages and (1) has / 's having a degree in engineering, but when I saw him

(6) are getting / get better."



the street. He (2) was remembering / remembered me immediately and gave me a big smile. When I asked him how he had been, he was surprisingly (3) "Everything is fine. When I first arrived, I felt really scared and (4), you know? And it took so long to get my papers – I was (5) by the wait, but now things

I asked Solomon how he was acclimating to his new home and job. Another smile. "I'm supporting myself with this job. It's nothing to be (7) of. It's true that things can be tough. Like, I (8) see / 'm seeing all the people around me - they (9) are having / have so much, and sometimes I'm (10) of them. But I (11) 'm knowing / know I'm lucky. And I (12) believe / am believing that I have a future here."

Solomon still faces some difficult challenges, but in a way, he seems to be (13)

Unit 1

Vocabulary Verbs with prefixes

1 * Write the verbs in the correct column.

achieve	appear	CO	nsider	create	do	estimate
inform	interpr	et	load	mine	place	rate

mis-	over-	re-	under-

2 ** Complete the sentences with the correct form of the verbs. There are two extra verbs.

misinform misinterpret overdo overload reappear re-create underestimate undermine

- 1 That isn't what the writer means. I think you've the message of the book.
- 3 That theory isn't true you have been
- 4 Psychologists often use a laboratory tothe right conditions for an experiment.
- 5 You're working too hard don'tit!
- 6 It's important not to the problems caused by loss of short-term memory.

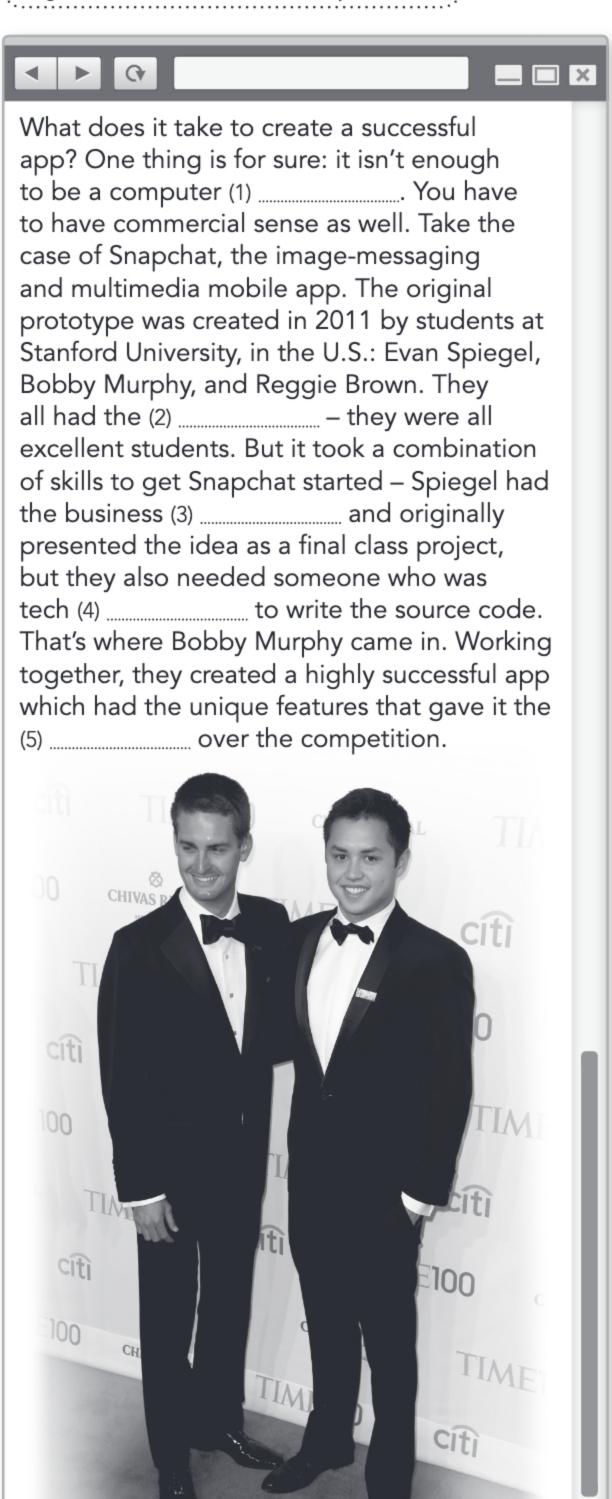
3 *** Answer the questions with your own ideas. Use the <u>underlined</u> words in your answers.

- 1 What decision do you wish you could <u>reconsider</u>?
- 2 Why do some people <u>underachieve</u> in school?
- 3 Which band or singer do you think is most <u>overrated</u>?
- 4 What kinds of things do you misplace?
- 5 Have you ever <u>underestimated</u> someone? Who?
- 6 Do you sometimes <u>overdo</u> it? Why / Why not?

Extra vocabulary

4 ** Complete the paragraph with the words.

edge know-how nerd savvy smarts



Grammar Simple vs. continuous forms

- Choose the correct option.
 - 1 My sister always loses / is always losing her cell phone! It's so annoying!
 - 2 I've done / been doing research for my project all weekend – I hope I can finish it by Monday.
 - 3 Courtney wrote / was writing more than 20 applications before she got her summer job.
 - 4 When you arrived, I **showed / was showing** Sarah this study program, so I couldn't talk to you.
 - 5 Brandon doesn't go / isn't going to the extra math class every Thursday. He's really good at math.
 - 6 My father has run / has been running the New York City marathon three times.

2	**	Complete the sentences with the correct form
	of the	e verbs in parentheses.

1	1 Joaquin(study) he was diagnosed with HSAM.	in the U.S. when
2	2 Most people(fc dreams soon after they wake up.	orget) their
3	3 My family(trave I was two – that's my earliest memo	
4	4 Our lab (test) a technique over the last few weeks.	new DNA analysis
5	5 At the moment, I complete my assignment.	(try) to
6	6 Researchers(justice treatment to slow down memory lo	

3 *** Complete the sentences so they are true for you.

	I get annoyed with because he / she
2	In the last few weeks,
3	Last week,
4	While
	Currently,

Consolidation

4 Read the text. Then complete the text with the words in the box and the correct form of the verbs in parentheses.

> misinform misinterprets overrated reappear underestimated

	<		
Most people think memory is like a video in your head – that what you see is what actually (1)			
For example, we (6)			
So, is the power of memory (11)? We want to find out how accurate memory is in times of stress, and whether, after time, true memories will (12) Over the last three months, we (13) (talk) to the people again to see if there is any change in what they previously told us.			