

THREE WISE KANGAROOS

Vocabulary and Conversation Booster



Part 4

Science

Communication

Crime and punishment

Risk

Humour

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Answer Key



Introduction

Vocabulary and Conversation Booster Part 4 is the fourth e-book in a series of e-books focused on developing vocabulary and speaking. It is made up of five theme-based units. Each unit consists of a vocabulary section, communicative practice, idioms and challenges. The vocabulary practice is a mix of varied exercises aimed at helping students increase their range of lexical items while the communicative part provides context for practising those in speaking. The exercises on idioms expand on the given topics while the language challenges which complement each unit make for additional ideas on how to revise and reinforce the newly-learnt material and how to apply it in practice.

The e-book is a practical workbook aimed at both teachers and independent learners of English. If you are an autonomous student, use this e-book as a great way of organising your learning topic by topic. It will allow you to revise, learn and practise your knowledge and will provide ideas on how to maximise your time with English. You can use the questions from the communicative part to practise speaking with fellow students of English or you can simply record yourself answering the questions and later on listen to the recordings for any errors. The challenges included in the e-book are fun and varied ideas on how to apply English in real life situations and how to make the most of the content you have just learnt.

If you are a teacher of English, you can use this e-book as a great resource pack to supplement your course. You can pick and choose from a variety of activities, depending on your and your students' needs and preferences. The e-book is aimed at B2 and C1 students, although a lot of the activities will also be suitable for B1 learners. Each of the topical units can also serve as a follow-up to the free, video-based lessons you will find on threewise kangaroos.com.



Science

1.1 Verbs

Complete the sentences with verbs from the box. You might have to change the form of some verbs.

invent, contribute, prove, examine, discover, test, develop, revolutionise

- 1 The Hubble Space Telescope has _____ astronomy.
- 2 Alexander Graham Bell _____ the telephone.
- 3 The scientist _____ the tissue carefully to see how badly it had been damaged.
- 4 When a pharmaceutical company _____ a new medicine, they can patent it.
- 5 Medicines must first be _____ in clinical trials before being offered to patients.
- 6 When Pierre and Marie Curie _____ radiation, they didn't realise how harmful it was.
- 7 Benjamin Franklin _____ that lightning was electricity.
- 8 Nikola Tesla _____ significantly to the developments in electrical engineering.

Instructions as above.

evolve, propose, conduct, investigate, hypothesise, research, come up with, explore

- 9 It is believed that by _____ space scientists make discoveries that benefit all humanity.
- 10 At the start of the 16th century Nicolaus Copernicus _____ his theory that the sun was stationary in the centre of the solar system and that planets revolved around it.
- 11 In 1935, seismologists Charles Richter and Beno Gutenberg _____ the Richter scale.
- 12 Scientists are _____ the impact of asteroids on Earth's surface.
- 13 Change is inevitable and, in some cases, necessary for our species to _____.
- 14 There are still diseases whose causes are unknown and have to be _____ further.
- 15 Researchers are _____ whether we could manipulate weather patterns to address climate change.
- 16 It is against the law to _____ experiments on great apes within the European Union following a ban in 2010.

1.2 Scientific equipment

Match the words with the pictures.

a microscope, a test tube, disposable gloves, a petri dish, a magnifying glass, tweezers, chemicals, a measuring cylinder, a mortar and pestle

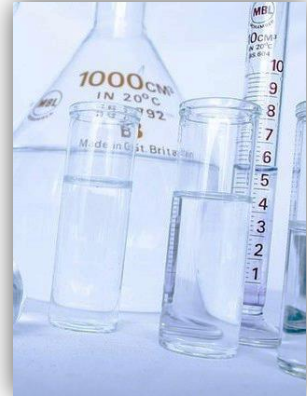
1



2



3



4



5



6



7



8



9



1.5 Useful adjective noun collocations

Match the halves to make useful collocations.

1 a groundbreaking	a) formula/problem
2 a mathematical	b) study
3 an in-depth	c) discovery
4 compelling	d) authority
5 a leading	e) evidence

Instructions as above.

6 a chemical	f) considerations
7 a visionary	g) theory
8 ethical	h) compound/ element
9 the periodic	i) table
10 a mind-blowing	j) thinker

Over to you.

- 1 What would you consider to be compelling evidence that we are not alone in the universe?
- 2 Talk about a groundbreaking discovery or a mind-blowing theory you've heard of recently.
- 3 Were you good at solving maths problems at school? Why do you think mathematics is called the queen of sciences?
- 4 Who would you consider to be a visionary thinker among the past scientists from your country?
- 5 At school, did you have to learn the names and formulas of chemical compounds or the order of the elements in the periodic table by heart?
- 6 What are the ethical considerations of cloning?

