

Before-reading questions

- 1 *Reader's own answers.*
- 2 *Reader's own answers.*
- 3 *Reader's own answers.*

During-reading questions

CHAPTER ONE

- 1 Pretoria, South Africa
- 2 He liked reading, doing experiments, playing on his computer, and writing code.
- 3 To study at the university there.

CHAPTER TWO

- 1 The company built online maps and put small companies, like restaurants and clothes shops, on these maps so it was easier for customers to find them.
- 2 He bought a new house and a \$1 million sports car. He bought an airplane and he learned to fly it. He also used his money to build a new company.
- 3 It was an online banking service.

CHAPTER THREE

- 1 He did not want to live in Silicon Valley any more. LA was at the center of the space industry in the USA, and Elon was interested in working in the space industry.
- 2 He wanted to show that it was possible to have life on Mars.
- 3 Elon and Peter Thiel sold PayPal to eBay for \$1.5 billion.

CHAPTER FOUR

- 1 He wanted them to be smaller, cheaper, and easier to use.
- 2 The Falcon 5 had five engines.
- 3 The Falcon 1 flew into space for the first time.

CHAPTER FIVE

- 1 Martin Eberhard and Marc Tarpenning
- 2 He invested \$6.5 million in the company and became the biggest investor.

CHAPTER SIX

- 1 They launched the Falcon 1 with no problems.
- 2 Both companies had money problems, but he only had enough money to save one of the companies.

CHAPTER SEVEN

- 1 The Falcon 9 was a lot bigger. It could travel longer distances and it could carry more things.
- 2 The Dragon capsule could carry satellites and other technology into space. It could take the technology to the ISS.
- 3 It could carry people.

CHAPTER EIGHT

- 1 SpaceX was a very exciting company.
- 2 He wanted people to work very hard and very long hours.
- 3 She is an engineer and a businesswoman.

CHAPTER NINE

- 1 2,500
- 2 The Model S was a family car, and the Roadster was a sports car.
- 3 Car batteries
- 4 Tesla bought a large part of the factory, and Toyota invested in Tesla. Toyota got 2.5% of Tesla, and Tesla got a new factory.

CHAPTER TEN

- 1 They are stations where drivers can take their electric cars to charge the batteries. They are very fast and they work with solar energy.
- 2 He did not have enough money.
- 3 They found more customers and sold almost 5000 cars.

- 4 The Hyperloop: cars travel in capsules in tunnels underground. The cars go at high speed (800 mph/1300 kph) and the tunnels connect one town with another.

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Exercises

CHAPTER ONE

- 1 **1 Elon's mother** was Canadian.
 2 **Elon's mother** came from an interesting family.
 3 **Elon's grandfather** loved flying airplanes.
 4 **Elon's brother, Kimbal**, went with Elon to live with their father after the divorce.
 5 **Elon's father** bought Elon his first computer.
 6 **Elon's father** was an engineer and a difficult man.
 7 **Elon's sister, Toska**, followed Elon to Canada with her mother and brother.

CHAPTERS ONE AND TWO

- 2 1 b 2 d 3 f 4 e
 5 c 6 g 7 a
- 3 1 Elon wrote the **code** for Zip2, and Kimbal talked to companies about their services.
 2 The company got bigger, and the brothers looked for **engineers** to help them with the work.
 3 Elon and Kimbal became **millionaires** when they sold Zip2.
 4 Elon's second **start-up** was called X.com.

CHAPTER THREE

- 4 In 2001, Elon wanted ¹ **to find** something new to do and somewhere new to live. He decided ² **to go** to Los Angeles. He was interested in ³ **working** in the space industry. LA was the perfect place. He wanted ⁴ **to meet** other people like him, so he invested \$100,000 in the Mars Society. The members of the Mars Society were very excited about ⁵ **working** with Elon.

CHAPTER FOUR

- 5 Elon decided he wanted to build a rocket. He wanted his rocket to be ¹ **smaller** and ² **cheaper** than other rockets. He wanted his rockets to be ³ **easier** to use. He started a new company, SpaceX. In the beginning, SpaceX was a small company, but it was ⁴ **bigger** than his other start-ups. The work was ⁵ **more difficult**. At Zip2 and X.com he wrote software, and at SpaceX he was building something that was very difficult to build! The engineers at Zip2 and X.com worked hard, but the engineers at SpaceX worked ⁶ **harder**. Building a rocket was ⁷ **more expensive** than writing software, and SpaceX had a lot of money problems.

CHAPTER SIX

- 6 Elon was very busy in 2007. At Tesla, the engineers ¹ **were building** one of the first electric sports cars. At SpaceX, the engineers ² **were getting** the Falcon 1 ready for another launch. Elon and his family ³ **were living** in a big house in Bel Air, a very expensive part of LA, but he was worried about his companies. He ⁴ **was spending** a lot of money on both SpaceX and Tesla and things ⁵ **were not going** well. His wife, Justine, ⁶ **was looking** after their five sons at home, and she was not happy. Elon ⁷ **was working** seven days a week and he ⁸ **was not spending** any time with his family. In June 2008, Elon and Justine got divorced.

CHAPTER SEVEN

7 1 g 2 f 3 c 4 e 5 b 6 a 7 d

CHAPTERS EIGHT AND NINE

8 1 d 2 c 3 f 4 b 5 a 6 e

CHAPTERS ONE TO TEN

9

Rockets	Cars	Both
capsule	aluminum	prototype
launch-pad	battery	technology
lift off	charging station	test
satellite	solar energy	touchscreen

Project work

Reader's own answers.