

PART 1

Questions 1–6

Complete the notes below.

Write **ONE WORD AND/OR A NUMBER** for each answer.

Local food shops

Where to go

- Kite Place – near the 1.....

Fish market

- cross the 2..... and turn right
- best to go before 3..... pm, earlier than closing time

Organic shop

- called 4 '.....'
- below a restaurant in the large, grey building
- look for the large 5..... outside

Supermarket

- take a 6..... minibus, number 289

Questions 7–10

Complete the table below.

Write **ONE WORD ONLY** for each answer.

Shopping		
	To buy	Other ideas
Fish market	a dozen prawns	a handful of 7..... (type of seaweed)
Organic shop	beans and a 8..... for dessert	spices and 9.....
Bakery	a brown loaf	a 10..... tart

PART 2

Questions 11–16

What information is given about each of the following festival workshops?

Choose **SIX** answers from the box and write the correct letter, **A–H**, next to Questions 11–16.

Information

- A** includes activities such as painting and drawing
- B** will be run by an award-winning writer
- C** is designed for children with a disability
- D** includes a theatrical activity
- E** concentrates on forming new friendships
- F** is intended for children within a particular age range
- G** examines a negative emotion
- H** promotes understanding of a specific culture

Festival workshops

- 11** Superheroes
- 12** Just do it
- 13** Count on me
- 14** Speak up
- 15** Jump for joy
- 16** Sticks and stones

Questions 17 and 18

Choose **TWO** letters, **A–E**.

Which **TWO** reasons does the speaker give for recommending *Alive and Kicking*?

- A** It is likely to interest both male and female readers.
- B** The writer has a strong reputation.
- C** It contains brightly coloured pictures.
- D** It is humorous.
- E** It addresses a significant issue.

Questions 19 and 20

Choose **TWO** letters, **A–E**.

Which **TWO** pieces of advice does the speaker give to parents about reading?

- A** Ask children to make a note of unfamiliar words.
- B** Let children listen to books in audio format.
- C** Seek book suggestions from library staff.
- D** Let children decide what they would like to read.
- E** Stop reading aloud to children once they are able to read by themselves.

PART 3

Questions 21-25

Choose the correct letter, **A**, **B** or **C**.

Science experiment for Year 12 students

- 21** How does Clare feel about the students in her Year 12 science class?
- A** worried that they are not making progress
 - B** challenged by their poor behaviour in class
 - C** frustrated at their lack of interest in the subject
- 22** How does Jake react to Clare's suggestion about an experiment based on children's diet?
- A** He is concerned that the results might not be meaningful.
 - B** He feels some of the data might be difficult to obtain.
 - C** He suspects that the conclusions might be upsetting.
- 23** What problem do they agree may be involved in an experiment involving animals?
- A** Any results may not apply to humans.
 - B** It may be complicated to get permission.
 - C** Students may not be happy about animal experiments.
- 24** What question do they decide the experiment should address?
- A** Are mice capable of controlling their food intake?
 - B** Does an increase in sugar lead to health problems?
 - C** How much do supplements of different kinds affect health?
- 25** Clare might also consider doing another experiment involving
- A** other types of food supplement.
 - B** different genetic strains of mice.
 - C** varying amounts of exercise.

Questions 26-30

Complete the flowchart below.

Choose **FIVE** answers from the box and write the correct letter, **A–H**, next to Questions 26-30.

- A** size
- B** escape
- C** age
- D** water
- E** cereal
- F** calculations
- G** changes
- H** colour

Choose mice which are all the same **26**..... .



Divide the mice into two groups, each with a different **27**..... .



Put each group in a separate cage.

Feed group A commercial mouse food.

Feed group B the same, but also sugar contained in **28**..... .



Take measurements using an electronic scale.

Place them in a weighing chamber to prevent **29**..... .



Do all necessary **30**..... .

PART 4

Questions 31–40

Complete the notes below.

Write **ONE WORD ONLY** for each answer.

Microplastics

Where microplastics come from

- fibres from some **31**..... during washing
- the breakdown of large pieces of plastic
- waste from industry
- the action of vehicle tyres on roads

Effects of microplastics

- They cause injuries to the **32**..... of wildlife and affect their digestive systems.
- They enter the food chain, e.g., in bottled and tap water, **33**..... and seafood.
- They may not affect human health, but they are already banned in skin cleaning products and **34**..... in some countries.
- Microplastics enter the soil through the air, rain and **35**.....

Microplastics in the soil – a study by Anglia Ruskin University

- Earthworms are important because they add **36**..... to the soil.
- The study aimed to find whether microplastics in earthworms affect the **37**..... of plants.
- The study found that microplastics caused:
 - **38**..... loss in earthworms
 - fewer seeds to germinate
 - a rise in the level of **39**..... in the soil.

The study concluded:

- soil should be seen as an important natural process.
- changes to soil damage both ecosystems and **40**.....