

Unit 1_ Sustainable Architecture

Vocabulary Preview p. 11

A

1. e 2. g 3. f 4. c 5. a 6. i 7. d 8. j 9. h 10. b

B

1. build 2. external 3. obstacle

Sustainable Architecture pp. 12-13

What is each paragraph mainly about?

- P1 why P2 less P3 insulation P4 trees

Check the main idea of passage.

c

Reading Comprehension p. 14

1. b 2. d 3. b 4. d 5. b
6. In the Northern Hemisphere, many windows are on the southern sides of homes.
7. It is to make housing which reduces energy usage.

Organizing the Passage p. 15

1. reduce energy usage 2. put large windows 3. heat can escape 4. act as barriers
5. Evergreen trees 6. they allow sunlight

Summarizing the Passage p. 15

1. cause less harm 2. internal heating 3. through the roofs 4. Gas-insulated windows
5. block the wind

Unit 2_ Shipping Container Homes

Vocabulary Preview p. 17

A

1. i 2. d 3. g 4. f 5. a 6. e 7. h 8. b 9. j 10. c

B

1. strong 2. rural 3. separate

Shipping Container Homes pp. 18-19

What is each paragraph mainly about?

- P1 cheap P2 tough P3 advantage P4 compact P5 creative

Check what the passage is mainly about.

c

Reading Comprehension p. 20

1. b 2. b 3. b 4. b 5. d
6. Many young people require little space since they are single.
7. Their weakness is that they are made of steel so can rust.

Organizing the Passage p. 21

1. goods on freighters 2. eight feet wide 3. for around \$12,000 4. They are mobile
5. can be combined 6. several tons of steel

Summarizing the Passage p. 21

1, 2, 5

Unit 3_ Ancient Burial Methods

Vocabulary Preview p. 25

A

1. e 2. a 3. j 4. h 5. f 6. b 7. g 8. i 9. d 10. c

B

1. dead 2. grave 3. rarely

Ancient Burial Methods pp. 26-27

What is each paragraph mainly about?

- P1 bury P2 afterlife P3 cave P4 Egyptians P5 Romans

Check the main point of the passage.

d

Reading Comprehension p. 28

1. c 2. b 3. c 4. c 5. a
6. Their bodies were well preserved thanks to the dry climate in the Egyptian desert.
7. During the republic years, the Romans burned their dead and placed the ashes in urns.

Organizing the Passage p. 29

1. keep animals 2. in a cave 3. the desert climate 4. the upper class
5. buried the ashes 6. the rise of Christianity

Summarizing the Passage p. 29

1. prehistoric times 2. get to the afterlife 3. have been dated 4. preserve people's bodies
5. the ashes in urns

Unit 4_ Dragons in Eastern and Western Mythology

Vocabulary Preview p. 31

A

1. c 2. d 3. g 4. a 5. f 6. b 7. e 8. h 9. j 10. i

B

1. possess 2. dry 3. differ

Dragons in Eastern and Western Mythology pp. 32-33

What is each paragraph mainly about?

- P2 Eastern P3 kill P4 regard P5 feared

Check the main point of the passage.

a

Reading Comprehension p. 34

1. b 2. d 3. a 4. d 5. c
6. Eastern dragons live at the bottoms of lakes and oceans or high in the clouds.
7. The dragon Smaug is killed after being struck by an arrow and then plunging into a deep lake.

Organizing the Passage p. 35

Eastern Dragon: 1, 4, 6 Western Dragon: 3, 7

Summarizing the Passage p. 35

1. magical creatures 2. look like serpents 3. can breathe fire 4. to be lucky
5. stories about knights

Unit 5_ Singing Sand

Vocabulary Preview p. 39

A

1. g 2. i 3. e 4. f 5. j 6. a 7. h 8. c 9. b 10. d

B

1. sacred 2. investigation 3. conceal

Singing Sand pp. 40-41

What is each paragraph mainly about?

- P1 sand dunes P2 Where P3 circumstances P4 pitches P5 speculate

Check the main point of the passage.

c

Reading Comprehension p. 42

1. b 2. c 3. c 4. b 5. a

6. Singing sand is so loud that people ten kilometers away can hear it.

7. A natural avalanche occurs, and sand begins tumbling down. (The result is singing sand.)

Organizing the Passage p. 43

1. thousands of years 2. low, rumbling sound 3. hot and dry 4. thirty-five degrees
5. Moroccan and Omani 6. collisions of grains of sand

Summarizing the Passage p. 43

1. around the world 2. the wind is still 3. sand falls down 4. different sounds
5. grains of sand

Unit 6_ Volcanic Eruptions

Vocabulary Preview p. 45

A

1. c 2. g 3. f 4. h 5. i 6. e 7. d 8. a 9. j 10. b

B

1. solid 2. explode 3. create

Volcanic Eruptions pp. 46-47

What is each paragraph mainly about?

P1 powerful P2 characteristics P3 Strombolian P4 violent

Check the main idea of passage.

b

Reading Comprehension p. 48

1. c 2. d 3. d 4. c 5. b

6. It can last for long periods of time—even for years.

7. The magma inside a volcano has large bubbles of gas.

Organizing the Passage p. 49

Hawaiian Eruption: 2, 4 Strombolian Eruption: 1, 6, 9 Plinian Eruption: 3, 7

Summarizing the Passage p. 49

1. types of eruptions 2. flows great distances 3. explosive eruptions 4. gas and ash

5. create pyroclastic flows

Unit 7_ Cottage Industries

Vocabulary Preview p. 53

A

1. b 2. h 3. a 4. f 5. e 6. i 7. j 8. c 9. g 10. d

B

1. plant 2. pretty 3. seller

Cottage Industries pp. 54-55

What is each paragraph mainly about?

- P1 Industrial Revolution P2 What P3 disadvantages P4 helped P5 exist

Check the main point of the passage.

c

Reading Comprehension p. 56

1. b 2. b 3. c 4. a 5. c
6. They were too slow and inefficient to be competitive with factories.
7. Most involve the textile industry, and food providers such as bakers and caterers operate as cottage industries.

Organizing the Passage p. 57

1. started in England 2. mass-produce goods 3. the Industrial Revolution 4. no standards
5. a lot of money 6. Local economies

Summarizing the Passage p. 57

3, 4, 5

Unit 8_ The Economic Cycle

Vocabulary Preview p. 59

A

1. b 2. c 3. i 4. h 5. d 6. e 7. j 8. g 9. a 10. f

B

1. shrink 2. positive 3. loss

The Economic Cycle pp. 60-61

What is each paragraph mainly about?

- P1 stages P2 expansion P3 slowdown P4 recession P5 recovery

Check what the passage is mainly about.

d

Reading Comprehension p. 62

1. b 2. a 3. d 4. d 5. d
6. The four stages are expansion, slowdown, recession, and recovery.
7. A depression is a recession lasting for two or more years.

Organizing the Passage p. 63

1. an economy grows 2. are confident 3. are less confident 4. higher interest rates
5. bankruptcies increase 6. make profits

Summarizing the Passage p. 63

1. the expansion stage 2. consumer confidence falls 3. gets smaller 4. lose their jobs
5. spend more money

Unit 9_ Modern Surveillance Societies

Vocabulary Preview p. 67

A

1. g 2. f 3. j 4. i 5. c 6. a 7. e 8. d 9. b 10. h

B

1. limited 2. trace 3. allowed

Modern Surveillance Societies pp. 68-69

What is each paragraph mainly about?

- P1 Why P2 surveillance P3 China P4 legal P5 fighting

Check the main point of the passage.

b

Reading Comprehension p. 70

1. d 2. c 3. a 4. b 5. c
6. It is difficult to walk anywhere in the city without being caught on camera.
7. They are trying to get many laws repealed.

Organizing the Passage p. 71

1. all day and night long 2. Satellites orbiting 3. half a million 4. monitors online activity
5. too much power 6. losing their freedom

Summarizing the Passage p. 71

1. observing people 2. are also traced 3. controls Internet access 4. watch over citizens
5. many laws repealed

Unit 10_ Deep-Sea Vehicles

Vocabulary Preview p. 73

A

1. e 2. f 3. g 4. d 5. h 6. b 7. j 8. a 9. i 10. c

B

1. darken 2. enable 3. information

Deep-Sea Vehicles pp. 74-75

What is each paragraph mainly about?

P1 explore P2 *Deepsea Challenger* P3 explore P4 What

Check what the passage is mainly about.

b

Reading Comprehension p. 76

1. a 2. b 3. c 4. b 5. a

6. The deepest place on the Earth is Challenger Deep in the Mariana Trench.

7. It receives signals and illuminates, controls, and records the actions of *Jason*.

Organizing the Passage p. 77

1. the deepest place 2. recording devices 3. through a long cable 4. on the surface
5. around the world 6. autonomous underwater

Summarizing the Passage p. 77

1. the Earth's surface 2. a manned vehicle 3. biological samples 4. remotely operated
5. reveal the mysteries

Unit 11_ Bird Feathers

Vocabulary Preview p. 81

A

1. d 2. i 3. e 4. c 5. a 6. b 7. f 8. j 9. h 10. g

B

1. form 2. bed 3. bendable

Bird Feathers pp. 82-83

What is each paragraph mainly about?

- P1 how P2 contour P3 purposes P4 bristles

Check the main point of the passage.

a

Reading Comprehension p. 84

1. d 2. a 3. c 4. b 5. a
6. They have bristles to protect themselves from harmful stings.
7. They are a combination of contour feathers and down feathers.

Organizing the Passage p. 85

1. fly in the air 2. physical objects 3. soft and fluffy 4. warm and dry
5. insulate birds 6. small, stiff feathers

Summarizing the Passage p. 85

1. tail feathers 2. let birds fly 3. Down feathers 4. their shape
5. from harmful stings

Unit 12_ Walking Fish

Vocabulary Preview p. 87

A

1. c 2. h 3. d 4. i 5. g 6. e 7. j 8. b 9. f 10. a

B

1. end 2. flood 3. around

Walking Fish pp. 88-89

What is each paragraph mainly about?

P1 transition P2 on land P3 snakehead P4 life

Check what the passage is mainly about.

c

Reading Comprehension p. 90

1. c 2. b 3. b 4. a 5. b

6. The lungfish uses its fins like arms and legs.

7. It will travel across small areas of land in search of better conditions.

Organizing the Passage p. 91

Lungfish: 2, 8 **Snakehead:** 4, 6, 7 **Mudskipper:** 1, 5

Summarizing the Passage p. 91

1. land creatures 2. both lungs and gills 3. migrate on land 4. like a snake

5. climb trees and jump

Unit 13_ Yellow Journalism and Muckraking

Vocabulary Preview p. 95

A

1. d 2. b 3. j 4. g 5. a 6. h 7. i 8. e 9. f 10. c

B

1. especially 2. opponent 3. reject

Yellow Journalism and Muckraking pp. 96-97

What is each paragraph mainly about?

- P1 importance P2 attract P3 supported P4 What P5 muckrakers

Check the main idea of the passage.

d

Reading Comprehension p. 98

1. c 2. b 3. c 4. b 5. b

6. They were Joseph Pulitzer's *New York World* and William Randolph Hearst's *New York Journal*.

7. They mostly wrote about politicians and business leaders.

Organizing the Passage p. 99

1. the 1700s and 1800s 2. very competitive 3. sensational headlines
4. big supporters 5. scandals and corruption 6. reform society

Summarizing the Passage p. 99

1. yellow journalism 2. had little truth 3. desire war 4. published in magazines
5. went undercover

Unit 14_ Citizen Journalists

Vocabulary Preview p. 101

A

1. i 2. j 3. e 4. a 5. g 6. c 7. h 8. d 9. f 10. b

B

1. machine 2. connect 3. professional

Citizen Journalists pp. 102-103

What is each paragraph mainly about?

- P1 How P2 technology P3 report P4 events P5 professional

Check the main point of the passage.

c

Reading Comprehension p. 104

1. a 2. c 3. d 4. b 5. d
6. They report on (common) events such as crimes, disasters, wars, and politics.
7. They distrust mass media due to the biased reporting of many journalists.

Organizing the Passage p. 105

1. publish their stories 2. written, video, and audio 3. millions of hits 4. crimes, disasters, wars
5. Young people trust 6. low in quality

Summarizing the Passage p. 105

1. the World Wide Web 2. publish stories 3. work full time 4. Facebook or Twitter
5. distrust mass media

Unit 15_ Water in the Solar System

Vocabulary Preview p. 109

A

1. e 2. i 3. d 4. f 5. b 6. h 7. a 8. j 9. g 10. c

B

1. shortage 2. capacity 3. absent

Water in the Solar System pp. 110-111

What is each paragraph mainly about?

P1 solar system P2 Mars P3 satellites P4 gas giants P5 How

Check what the passage is mainly about.

d

Reading Comprehension p. 112

1. d 2. d 3. c 4. a 5. b

6. Astronomers estimate it contains around thirty-five times more water than the Earth.

7. It is located at its northern and southern poles in the form of large ice caps.

Organizing the Passage p. 113

1. on the surface 2. twice the water 3. its underground ocean 4. in the form of ice
5. in their interiors 6. send satellites to Europa

Summarizing the Passage p. 113

2, 4, 5

Unit 16_ Galaxies and Their Formation

Vocabulary Preview p. 115

A

1. g 2. a 3. b 4. d 5. e 6. j 7. c 8. i 9. h 10. f

B

1. circle 2. enormous 3. break down

Galaxies and Their Formation pp. 116-117

What is each paragraph mainly about?

- P1 galaxies P2 What P3 primary P4 formed

Check what the passage is mainly about.

a

Reading Comprehension p. 118

1. c 2. a 3. b 4. d 5. c
6. At the center of most galaxies is a massive black hole.
7. It has a bar in the middle and spiral arms coming off its ends.

Organizing the Passage p. 119

1. groups of stars 2. Spiral galaxies 3. coming off their ends 4. Irregular galaxies
5. fourteen billion 6. Enough stars formed

Summarizing the Passage p. 119

1. billions of stars 2. primary types 3. different shapes 4. clouds of hydrogen
5. galaxies formed

TOEFL Practice Test

TOEFL Practice Test 1 pp. 122-123

1. third square 2. (D) 3. (B) 4. (B) 5. (C) 6. ①, ②, ⑤

TOEFL Practice Test 2 pp. 124-125

1. (C) 2. first square 3. (D) 4. (B) 5. (A)
6. Mutualism: ③, ⑦, ⑨ Commensalism: ⑥, ⑧ Parasitism: ①, ②

TOEFL Practice Test 3 pp. 126-127

1. (A) 2. (B) 3. (C) 4. (B) 5. (D) 6. ②, ③, ④

TOEFL Practice Test 4 pp. 128-129

1. (C) 2. (D) 3. (C) 4. (B) 5. (A) 6. ①, ③, ④