

Unit 1 Bob Dylan, Songwriter and Nobel

Laureate

Reading Skill

around 1959

Vocabulary in Context

A

- 1 trendy
- 2 epitomize
- 3 statement
- 4 anthem
- 5 onward
- 6 incorporate
- 7 counterculture
- 8 civil rights

B

- 1 d 2 b 3 a 4 b

C

- 1 reward 2 released 3 onward

Reading Comprehension

- 1 c
- 2 c
- 3 He started to focus more on folk music.
- 4 d
- 5 It makes him one of the most prolific performers in history.
- 6 b
- 7 b

Summary

A

- ❶ folk music
- ❷ social issues
- ❸ counterculture movement
- ❹ prolific performers
- ❺ poetic expressions
- ❻ be awarded the prize

B

- ❶ singer-songwriters
- ❷ folk
- ❸ left
- ❹ serious
- ❺ counterculture
- ❻ view
- ❼ prolific
- ❽ awarded

Unit 2 The Advanced Civilization of the Maya

Reading Skill

slash-and-burn, population

Vocabulary in Context

A

- 1 longevity
- 2 abandon
- 3 monarchy
- 4 apex
- 5 alternate
- 6 plot
- 7 density
- 8 irrigation

B

- 1 d 2 b 3 c 4 a

C

- 1 pots 2 alternate 3 interact

Reading Comprehension

- 1 c
- 2 Because of their longevity and social stability
- 3 b
- 4 a
- 5 The monarchy was passed down from generation to generation.
- 6 a
- 7 d

Summary

A

- ❶ most advanced
- ❷ slash-and-burn
- ❸ the rising population
- ❹ absolute power
- ❺ did all the labor
- ❻ writing system

B

- ❶ Central American
- ❷ population
- ❸ agricultural
- ❹ classes
- ❺ Commoners
- ❻ high
- ❼ city-state
- ❽ trade

Unit 3 Wild and Wonderful Alaska

Reading Skill

geographic

Vocabulary in Context

A

- 1 frigid
- 2 coupled with
- 3 unspoiled
- 4 teem with
- 5 territory
- 6 devoid of
- 7 glacier
- 8 geographic

B

- 1 d 2 b 3 c 4 a

C

- 1 notable 2 variety 3 territory

Reading Comprehension

1 b

2 Its population is low due to its remote location and harsh climate.

3 a

4 They crossed over the Bering land bridge from what is now known as Russia.

5 d

6 d

7 d

Summary

A

- ❶ three largest states
- ❷ lowest populations
- ❸ settled in Alaska
- ❹ traditional ways of living
- ❺ Natural Beauty
- ❻ winter months

B

- ❶ larger
- ❷ size
- ❸ lowest
- ❹ settled
- ❺ crossing
- ❻ coast
- ❼ maintain
- ❽ visible

Unit 4 Lack of Water: A Global Problem

Reading Skill

public, privatized

Vocabulary in Context

A

- 1 attainable
- 2 fetch
- 3 jug
- 4 supply
- 5 do without
- 6 privatize

7 commoditize

8 faucet

B

1 a 2 b 3 d 4 c

C

1 sources 2 attainable 3 intention

Reading Comprehension

1 d

2 b

3 They walk three or more hours every day to get to their nearest water source.

4 a

5 They want to sell water at a profit.

6 c

7 a

Summary

A

- ❶ high quality of life
- ❷ fetching water
- ❸ commoditization of water
- ❹ at a profit
- ❺ halt the privatization
- ❻ water usage efficiency

B

- ❶ access
- ❷ attainable
- ❸ quality
- ❹ studying
- ❺ supply
- ❻ commoditized
- ❼ impoverished
- ❽ maximize

Unit 5 Loss Leader Pricing Strategy

Reading Skill

long term, quickly

Vocabulary in Context

A

- 1 viable
- 2 stockpile
- 3 pricing
- 4 complementary
- 5 perception
- 6 establish
- 7 retailer
- 8 counterintuitive

B

1 a 2 c 3 d 4 a

C

1 quality 2 maximize 3 profitable

Reading Comprehension

1 c

2 a

3 b

4 Because customers will need to purchase ink, which is sold for a much greater profit than the printers

5 d

6 They can limit the amount of each item that customers may buy.

7 b

Summary

A

- ❶ manufacture and distribute
- ❷ profitable products
- ❸ create markets
- ❹ complementary products
- ❺ stockpile them
- ❻ have a low price

B

- ❶ less
- ❷ attract
- ❸ profitable
- ❹ establish
- ❺ complementary

- ⑥ risks
- ⑦ lose
- ⑧ stockpile

Unit 6 The Development of the Rococo Movement

Reading Skill

dark, mirrors

Vocabulary in Context

A

- 1 elaborate
- 2 profound
- 3 extravagance
- 4 reference
- 5 asymmetric
- 6 bust
- 7 motif
- 8 set apart

B

- 1 c 2 a 3 d 4 d

C

- 1 motive 2 asymmetric 3 elaborate

Reading Comprehension

- 1 c
- 2 b
- 3 c
- 4 It was focused on architectural design.
- 5 c
- 6 Because Rococo artists refused to address more serious themes
- 7 b

Summary

A

- ① the Renaissance
- ② elaborate style
- ③ dark colors
- ④ curved lines

- ⑤ light and playful
- ⑥ asymmetric designs

B

- ① movement
- ② religious
- ③ shadows
- ④ balance
- ⑤ contrast
- ⑥ Subject matters
- ⑦ curved
- ⑧ Western

Unit 7 The Rise of Drone Technology

Reading Skill

privacy

Vocabulary in Context

A

- 1 unmanned
- 2 meteorology
- 3 thrive
- 4 piloted
- 5 affordable
- 6 high-resolution
- 7 arguably
- 8 conservation

B

- 1 b 2 a 3 d 4 b

C

- 1 strive 2 applying 3 conservation

Reading Comprehension

- 1 c
- 2 c
- 3 They help them to more easily and cheaply map the habitat of the orangutan.
- 4 a
- 5 So they can better understand the storms and make better predictions about their possible impacts

6 d

7 d

Summary

A

- ❶ map the habitat
- ❷ scare away
- ❸ fly directly into
- ❹ accurate predictions
- ❺ an invasion of privacy
- ❻ illegal activities

B

- ❶ affordable
- ❷ conservation
- ❸ map
- ❹ Meteorologists
- ❺ directly
- ❻ predictions
- ❼ However
- ❽ commit

Unit 8 Understanding Behavior Through the MBTI

Reading Skill

childhood, unusual

Vocabulary in Context

A

- 1 conscious
- 2 archetype
- 3 psychiatrist
- 4 preconceived
- 5 association
- 6 complex
- 7 depiction
- 8 interaction

B

- 1 b 2 b 3 c 4 a

C

- 1 archetype 2 dependable 3 depiction

Reading Comprehension

1 d

2 d

3 A complex is the source of a person's unusual behavior.

4 c

5 b

6 He noticed patterns among the personalities of his patients.

7 c

Summary

A

- ❶ personality of individuals
- ❷ unconscious minds
- ❸ preconceived ideas
- ❹ social classes
- ❺ used patterns
- ❻ classifying people

B

- ❶ personalities
- ❷ unusual
- ❸ gender
- ❹ age
- ❺ association
- ❻ archetypes
- ❼ appropriate
- ❽ categorize[classify]

Unit 9 The Problem of Ultrafine Particles

Reading Skill

small, lung tissue

Vocabulary in Context

A

- 1 particle
- 2 legislation
- 3 regulatory

- 4 exhaust
- 5 fit across
- 6 tissue
- 7 bloodstream
- 8 filtration

B

- 1 b 2 a 3 d 4 c

C

- 1 exhaust 2 impaired 3 disagreement

Reading Comprehension

- 1 b
- 2 d
- 3 c
- 4 It can disrupt our anti-inflammatory systems, leading to heart and lung disease.
- 5 b
- 6 Minimizing exposure to UFPs and using air filtration machines
- 7 c

Summary

A

- ❶ indoor sources
- ❷ pass through our lungs
- ❸ with the heart
- ❹ Solutions for UFPs
- ❺ no consensus
- ❻ minimizing your exposure

B

- ❶ smallest
- ❷ size
- ❸ exposed
- ❹ exhaust
- ❺ sources
- ❻ lung
- ❼ disrupt
- ❽ air pollution

Unit 10 The Making of the Great Pyramid

Reading Skill

sheer manpower, kaolinite

Vocabulary in Context

A

- 1 harden
- 2 dismiss
- 3 limestone
- 4 unsurpassed
- 5 archaeologist
- 6 sheer
- 7 log
- 8 carve

B

- 1 c 2 a 3 d 4 c

C

- 1 previously 2 contains 3 confirmed

Reading Comprehension

- 1 c
- 2 b
- 3 Some scientists argue the ancient Egyptians lacked the technology to carve the stones or to move them.
- 4 a
- 5 a
- 6 The mineral would have been easily carried to the site and mixed there with other minerals and water.
- 7 c

Summary

A

- ❶ remain unknown
- ❷ drag huge stone blocks
- ❸ Nearby quarries
- ❹ drag stones upward
- ❺ Scientific evidence
- ❻ much easier

B

- ❶ best-known

- ② constructed
- ③ forced
- ④ quarries
- ⑤ ramps
- ⑥ height
- ⑦ concrete
- ⑧ transporting

Unit 11 Illicit Hackers vs. Ethical Hackers

Reading Skill

vandalize, loopholes

Vocabulary in Context

A

- 1 wreak havoc
- 2 legitimate
- 3 malicious
- 4 ethic
- 5 be versed in
- 6 vandalize
- 7 flood
- 8 loophole

B

- 1 b 2 c 3 d 4 a

C

- 1 techniques 2 monetary 3 illegal

Reading Comprehension

- 1 c
- 2 c
- 3 They sell the information on the black market or to criminal organizations.
- 4 a
- 5 By reporting how they gained access to their computer systems and what information they found, the organizations can improve their security.
- 6 b
- 7 a

Summary

A

- ① cracking passwords
- ② overload systems
- ③ personal benefit
- ④ malicious reasons
- ⑤ intentionally compromise
- ⑥ close their loopholes

B

- ① break
- ② havoc
- ③ installing
- ④ engage
- ⑤ vulnerabilities
- ⑥ intentionally
- ⑦ weaknesses
- ⑧ improve

Unit 12 The Science Behind Clouds

Reading Skill

cirrus, alto-clouds, stratus

Vocabulary in Context

A

- 1 elevation
- 2 droplet
- 3 evaporate
- 4 condensation
- 5 suspend
- 6 intersperse
- 7 wavelength
- 8 refraction

B

- 1 b 2 a 3 c 4 a

C

- 1 reflections 2 expand 3 collection

Reading Comprehension

- 1 d

- 2 c
3 d
4 They appear white because the water vapor in the clouds reflects all the wavelengths of the sun's light.
5 blocks sunlight from passing through
6 d
7 d

Summary

A

- ❶ condenses onto
- ❷ billions of these particles
- ❸ all the wavelengths
- ❹ passes through
- ❺ Cirrus clouds
- ❻ the lowest level

B

- ❶ droplets
- ❷ dust
- ❸ formed
- ❹ white
- ❺ wavelengths
- ❻ thicker
- ❼ classified
- ❽ Alto-clouds

Unit 13 Technology on Modern Weather

Forecasting

Reading Skill

technology, humans

Vocabulary in Context

A

- 1 aloft
- 2 simulated
- 3 give way to
- 4 educated guess
- 5 launch
- 6 lore
- 7 equation

8 synoptic

B

- 1 b 2 d 3 c 4 b

C

- 1 convert 2 impact 3 reliable

Reading Comprehension

- 1 c
- 2 The telegraph allowed people to exchange weather observations.
- 3 b
- 4 c
- 5 People had to interpret the data by making predictions that were educated guesses.
- 6 a
- 7 d

Summary

A

- ❶ Observations of the weather
- ❷ human interpretation
- ❸ Weather satellites
- ❹ human error
- ❺ convert weather information
- ❻ important role

B

- ❶ observations
- ❷ conditions
- ❸ Synoptic
- ❹ gather
- ❺ interpretation
- ❻ equations
- ❼ accurately
- ❽ forecasters

Unit 14 The Fats That We Eat

Reading Skill

cholesterol, reduces

Vocabulary in Context

A

- 1 guts
- 2 dietary
- 3 saturated
- 4 cardiovascular
- 5 nutrient
- 6 texture
- 7 poultry
- 8 shelf life

B

- 1 b 2 c 3 d 4 c

C

- 1 stable 2 texture 3 diet

Reading Comprehension

- 1 b
- 2 c
- 3 It is liquid at room temperature.
- 4 b
- 5 It is produced by adding hydrogen to unsaturated oils to make them solid.
- 6 d
- 7 c

Summary

A

- ❶ solid fat
- ❷ animal products
- ❸ cardiovascular system
- ❹ less hydrogen
- ❺ produced artificially
- ❻ banned the use

B

- ❶ absorb
- ❷ Saturated
- ❸ naturally
- ❹ nuts
- ❺ liquid
- ❻ healthy

❷ dangerous

❸ remove

Unit 15 Do We Have Enough Minerals to Survive?

Reading Skill

technology, transportation

Vocabulary in Context

A

- 1 finite
- 2 unanimous
- 3 offshore
- 4 scarcity
- 5 inorganic
- 6 deposit
- 7 reprocess
- 8 extract

B

- 1 b 2 a 3 d 4 b

C

- 1 rare 2 substance 3 scarcity

Reading Comprehension

- 1 b
- 2 a
- 3 Due to the Industrial Revolution, minerals were needed for machines and products.
- 4 d
- 5 It offers the possibility to increase the amount of minerals produced.
- 6 a
- 7 c

Summary

A

- ❶ demand for minerals
- ❷ cheaper transportation
- ❸ decrease demand
- ❹ offshore mining

- ⑤ contain resources
- ⑥ be reused

B

- ① minerals
- ② Revolution
- ③ machines
- ④ technology
- ⑤ scarcity
- ⑥ Increased
- ⑦ reduce
- ⑧ recycling

Unit 16 The Uses of Mimicry by Certain

Animals

Reading Skill

harmful species, similar, defense

Vocabulary in Context

A

- 1 trait
- 2 announce
- 3 blend in
- 4 adaptation
- 5 marking
- 6 evolution
- 7 mimicry
- 8 trial and error

B

- 1 b 2 a 3 d 4 b

C

- 1 consumes 2 defense 3 purposefully

Reading Comprehension

- 1 b
- 2 a
- 3 b
- 4 It defends itself by having a similar appearance to the more dangerous honeybee.
- 5 d

- 6 They both have similar appearances and an unpleasant taste.

7 d

Summary

A

- ① Animal Adaptation
- ② similar characteristics
- ③ deceive predators
- ④ defense mechanisms
- ⑤ similar coloration
- ⑥ look like

B

- ① adaptation
- ② mimic
- ③ trick[deceive]
- ④ coloration
- ⑤ dangerous
- ⑥ defensive
- ⑦ appearances
- ⑧ predators