

Answer key Curriculum Extra

Unit 1

Focus on Geology: Volcanoes

- 1 A composite volcano
B shield volcano
C lava dome volcano

- 2 1 crater
2 main vent
3 side vents
4 magma chamber
5 layers of lava and ash
6 mantle
7 crust

- 3 1 plates
2 boundaries
3 largest
4 gentle
5 active
6 lava
7 circular
8 slow
9 thick
10 a volcano
11 pyroclastic material
12 base
13 common
14 layers
15 violent

4

Name	Yellowstone Caldera	Mount Teide	Mount Kilauea
Location	Yellowstone National Park, Wyoming, USA	Tenerife, Canary Islands	Hawai'i
Height and / or width	55 km high x 72 km wide	3,718 metres high	1,247 metres high
Geophysical location	on a hot spot	on a hot spot	on a hot spot
Type	supervolcano	composite	shield
Last erupted	1350 BC	1909	1983
Status	dormant	dormant	active

- 5 Students' own answers.

Unit 2

Focus on History: The Cold War

- 1 Text A
1 proxy
2 fought

- 3 communist

Text B

- 1 tension
2 superpowers
3 separate

Text C

- 1 bloc
2 communism
3 disagreement(s)

Text D

- 1 missiles
2 nuclear war
3 emerged

- 2 A Vietnam War
B Berlin Crisis
C Hungarian Revolution
D Cuban Missile Crisis

The extra event is the Warsaw Pact.

- 3 A 1955–75
B 1961
C 1956
D 1962

The extra date is 1955. This is the date of the creation of the Warsaw Pact.

- 4 Students' own answers.
5 Students' own answers.

Unit 3

Focus on Science: Hydroelectric plants

- 1 Students' own answers.
2 A generator
B tailrace
C dam
D penstock
3 1 The water rejoins the river via the tailrace. Diagram B
2 A dam is a barrier to hold water in a reservoir. Diagram C
3 The penstock is a tube for transporting water to the turbine. Diagram D
4 The generator produces the plant's electricity. / The plant's generator produces the electricity. Diagram A
4 Students' own answers.
5 Students' own answers.

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Unit 4

Focus on PE: Muscles

- 1 1 B
2 C
3 B
4 A

- 2 1 B
2 C
3 A

- 3 Diagram A
1 biceps
2 contracts
3 extends

- Diagram B
4 contracts
5 triceps

- 4 1 muscle strain
2 cramp
3 stitch
4 atrophy

Students' own answers for suggestions.

Unit 5

Focus on Literature: Features of a narrative

- 1 The extract comes at the end of the story. Benjamin has become a baby and he is now at the end of his life.
- 2 Suggested answers:
- 1 He is in his crib and is a baby. It's the end of his life and he can only remember very recent things.
 - 2 Benjamin's point of view is focused on. He can't talk to other characters, so you don't know their point of view.
 - 3 Benjamin has become young now, so college and girls aren't important. He isn't married anymore. He doesn't remember anything and just cries when he's hungry. He can't understand when people talk to him anymore.
 - 4 The pacing is quite slow, because it's from a baby's point of view. A baby can't really understand words, so the author is trying to make you feel as Benjamin felt. Days are probably repetitive for babies, so repeating words and phrases helps the reader feel this too.
 - 5 The extract is quite calm and relaxing, and you could feel happy as Benjamin is no longer frustrated as he was at the beginning of his life.

But it could also make you feel a bit sad as you know that it's the end of his life.

- 6 Benjamin could be dying or he could just be falling asleep.

- 3 Students' own answers.
4 Students' own answers.
5 Students' own answers.

Unit 6

Focus on Technology: Hydraulic systems

- 1 1 effort force
2 cylinder
3 hydraulic fluid
4 load force
5 piston

- 2 1 B
2 C
3 A

- 3 1 effort
2 cylinder
3 hydraulic fluid
4 exerted
5 equally
6 load
7 multiplied
8 piston

- 4 Students' own answers.
5 Students' own answers.

Unit 7

Focus on History: The Industrial Revolution

- 1 1 textile
2 steam-powered transport
3 steel manufacturing
4 coal mining

2 Davy lamp

Sir Humphrey Davy; portable safety device with a grid around it to reduce the risk of gas explosions in (1) coal mines; 1815; coal mining

Watt steam engine

James Watt; fast, fuel-efficient machine that made use of (2) steam power; 1763–1775; industries that used steam-powered transport, e.g. railways, boats

Bessemer converter

Henry Bessemer; large container in which hot liquid (3) iron is converted to (4) steel; c. 1855; steel manufacturing

Answer key Curriculum Extra

Spinning jenny

James Hargreaves; machine with a wheel that enabled one person to create multiple lengths of (5) cotton fibres at the same time; 1764; textile industry

- 3 1 Spinning jenny
- 2 Watt steam engine
- 3 Davy lamp
- 4 Bessemer converter
- 4 Students' own answers.

Unit 8

Focus on Art: Modernism

- 1 1 canvas(es)
- 2 portrait
- 3 still life
- 4 landscape
- 5 abstract
- 2 1 portraits
- 2 landscapes
- 3 abstract
- 4 canvas
- 5 still life
- 3 Students' own answers.
- 4 Students' own answers.

Unit 9

Focus on Technology: Satellite communication

- 1 1 Radio waves
- 2 antenna
- 3 satellite dish
- 4 Global Positioning System
- 5 GPS receiver
- 2 1 D
- 2 E
- 3 B
- 4 A
- 5 C
- 3 1 B
- 2 A
- 3 A
- 4 C
- 4 Students' own answers.