

Puzzle 1: Map Reading

Easy | 15 x 15 grid | 12 words | answer included

J	L	O	I	U	E	C	U	E	Q	Y	D	X	R	S
B	M	A	P	T	I	T	L	E	M	U	Y	Y	B	Y
X	P	A	R	O	U	T	E	M	A	R	K	E	R	M
F	M	A	P	S	H	E	E	T	P	W	G	R	S	B
S	T	N	K	D	S	S	F	M	M	M	R	O	U	O
C	O	R	O	R	I	E	N	T	A	T	I	O	N	L
A	R	I	D	R	V	S	X	D	R	Z	D	X	R	K
L	R	W	N	F	T	A	T	L	G	K	L	X	R	E
E	E	G	A	S	A	H	R	A	I	L	I	Y	H	Y
B	U	K	C	Y	E	T	A	N	N	W	N	I	F	R
A	Q	I	L	L	P	T	Z	R	Y	C	E	E	Z	F
R	Q	C	V	J	B	O	M	N	R	N	E	Z	Z	P
U	T	E	K	V	D	Q	I	A	E	O	Y	K	F	L
P	L	R	H	D	R	O	T	N	P	I	W	V	N	E
V	C	O	S	O	U	G	J	K	T	G	R	B	T	Y

FIND THESE WORDS

Grid line
Inset map
Map distance
Map margin

Map sheet
Map title
North arrow
Orientation

Route marker
Scale bar
Symbol key
Waypoint

Puzzle 2: Coordinates and Location

Easy | 15 x 15 grid | 12 words | answer included

W	S	R	J	W	P	D	I	E	N	F	M	D	E	H
G	P	U	Z	P	A	K	M	A	Z	A	P	H	J	S
P	R	R	Z	I	H	P	A	S	C	W	A	Y	R	D
A	C	I	I	G	R	E	A	T	C	I	R	C	L	E
L	N	F	D	M	R	B	M	I	I	X	A	D	A	G
F	F	T	K	R	E	A	M	N	A	I	L	Y	T	R
K	F	A	I	A	E	M	T	G	L	I	L	N	I	E
H	J	A	I	M	V	F	E	I	U	C	E	I	T	E
M	I	N	U	T	E	S	E	R	C	M	L	S	U	S
M	U	F	U	P	O	R	C	R	I	U	T	S	D	J
N	H	P	X	G	D	J	I	C	E	D	L	Y	E	T
P	S	U	W	I	A	V	I	D	Q	N	I	E	L	Y
M	V	B	Q	O	E	E	F	X	I	K	C	A	I	Z
R	E	L	C	O	O	R	D	I	N	A	T	E	N	W
W	H	U	U	M	N	O	R	T	H	I	N	G	E	W

FIND THESE WORDS

Antimeridian
Coordinate
Degrees
Easting

Graticule
Great circle
Grid reference
Latitude line

Minutes
Northing
Parallel
Prime meridian

Puzzle 3: Relief and Terrain

Easy | 15 x 15 grid | 12 words | answer included

M	H	S	J	P	L	D	Q	L	M	I	S	K	T	E
Y	M	O	K	I	Z	U	Y	Y	U	Z	Q	T	D	U
F	O	O	T	H	I	L	L	O	L	K	I	K	W	Y
J	Q	S	U	M	M	I	T	F	S	N	J	I	X	Q
E	E	I	K	N	N	A	X	L	I	O	A	Y	P	A
I	I	S	H	X	T	U	L	G	V	L	K	B	I	S
R	N	P	C	E	M	A	A	R	E	L	I	E	F	N
U	T	U	H	A	Y	V	I	P	Y	O	H	W	O	Z
O	E	R	C	I	R	L	M	N	N	W	B	V	B	C
W	R	T	T	N	G	P	S	Q	P	L	R	C	Q	B
T	F	I	G	E	I	H	M	A	H	A	A	G	I	Y
Z	L	Q	F	V	U	K	L	E	D	N	S	T	J	H
E	U	T	A	B	L	E	L	A	N	D	J	S	V	S
Y	V	M	S	M	B	K	A	E	N	T	L	Y	E	C
C	E	K	N	H	H	B	H	T	K	D	P	E	M	F

FIND THESE WORDS

Escarpment

Foothill

Highland

Interfluve

Knoll

Lowland

Mountain pass

Relief

Saddle

Spur

Summit

Tableland

Puzzle 4: River Systems

Easy | 15 x 15 grid | 12 words | answer included

S	F	E	R	D	V	C	D	E	Q	J	Z	S	U	D
K	D	S	K	I	M	R	Z	I	D	F	P	V	N	I
F	X	R	O	O	V	V	Z	S	P	D	D	Q	H	C
P	C	I	A	P	H	E	A	D	W	A	T	E	R	D
S	A	V	X	I	I	T	R	I	B	U	T	A	R	Y
K	T	E	F	D	N	R	S	M	X	P	O	V	O	G
C	C	R	X	L	E	A	B	C	O	S	A	S	H	O
H	H	B	E	Z	O	U	G	B	B	U	P	P	H	X
A	M	A	W	A	T	O	Q	E	L	P	T	W	X	B
N	E	N	H	D	M	D	D	Z	D	O	R	H	D	O
N	N	K	D	U	E	B	S	P	S	I	U	C	H	W
E	T	M	E	A	N	D	E	R	L	H	V	T	R	L
L	L	F	G	T	L	Z	E	D	I	A	K	I	R	A
F	J	E	C	E	B	C	O	K	D	G	I	G	D	K
C	O	E	E	B	C	O	N	F	L	U	E	N	C	E

FIND THESE WORDS

Catchment
Channel
Confluence
Drainage divide

Floodplain
Headwater
Meander
Oxbow lake

River bank
River mouth
Streambed
Tributary

Puzzle 5: Coastal Landscapes

Medium | 18 x 18 grid | 16 words | answer included

E	M	V	Q	A	G	W	D	V	H	H	C	R	A	A	E	S	P
S	K	R	G	S	A	N	D	S	P	I	T	D	C	M	H	C	J
P	R	C	O	A	S	T	A	L	L	A	G	O	O	N	E	D	Y
D	Y	C	T	F	R	X	D	A	L	Y	A	T	N	N	Q	C	A
N	N	O	B	G	T	N	R	F	S	S	M	N	O	R	S	L	P
R	L	A	A	A	A	A	L	L	T	E	R	V	I	J	S	E	Y
E	R	S	L	L	Y	A	L	A	E	T	A	V	T	H	W	T	M
D	N	T	D	S	D	M	L	P	B	C	E	S	A	S	V	R	J
D	W	A	K	I	I	P	O	N	T	R	X	N	T	R	B	N	H
E	E	L	T	Z	L	R	I	U	D	U	N	H	E	A	O	R	S
H	Q	Z	J	A	B	O	E	E	T	H	C	O	G	M	C	A	H
Y	U	O	I	Q	C	T	L	I	G	H	I	E	E	T	I	K	O
P	K	N	X	N	D	T	R	Q	R	S	N	I	V	L	B	M	R
R	Y	E	I	A	A	G	P	V	Y	R	B	N	E	A	X	Y	E
R	S	H	R	D	S	X	M	Y	V	G	A	W	N	S	W	I	Z
I	X	G	X	R	Y	D	G	W	K	Z	B	B	U	H	X	U	O
L	Y	S	S	R	D	T	E	L	N	I	L	A	D	I	T	G	N
P	S	A	S	D	N	R	E	N	C	M	G	S	D	A	D	D	E

FIND THESE WORDS

Barrier island

Bay mouth

Coastal lagoon

Coastal plain

Coastal zone

Dune vegetation

Headland

River delta

Salt marsh

Sand spit

Sea arch

Sea stack

Shore zone

Tidal flat

Tidal inlet

Wave-cut platform

Puzzle 6: Glacial Landscapes

Medium | 18 x 18 grid | 16 words | answer included

L	F	M	E	B	N	N	D	N	B	U	F	R	Z	I	Q	N	P
Z	H	S	J	D	Q	I	S	L	D	I	P	L	A	A	W	Z	B
K	Y	Y	B	G	L	A	C	I	E	R	S	N	O	U	T	I	E
S	K	E	G	H	B	L	L	K	C	I	X	A	R	M	R	P	Q
W	E	X	F	E	P	P	D	N	U	G	F	P	M	G	O	A	O
L	T	S	O	M	D	L	I	D	E	E	P	E	L	S	U	R	T
N	T	M	H	P	E	L	X	Q	G	C	K	A	C	B	G	F	G
I	L	O	B	T	M	I	J	E	I	P	C	T	C	I	H	T	Q
A	E	D	E	U	M	T	B	A	G	I	D	R	J	D	V	U	W
L	L	R	R	N	R	O	H	L	A	I	C	A	L	G	A	M	F
P	A	D	A	H	I	C	X	L	G	D	V	P	N	J	L	P	I
H	K	K	C	I	T	A	R	R	E	L	A	I	C	A	L	G	P
S	E	T	L	G	F	U	R	E	G	S	Q	Z	C	U	E	L	Q
A	E	H	G	I	N	C	V	O	V	R	K	I	T	D	Y	E	C
W	O	Z	W	O	V	W	H	E	M	A	R	E	S	G	I	Z	I
T	V	B	F	J	O	R	D	X	V	Q	S	H	R	U	J	Y	B
U	H	F	Z	S	Z	I	U	X	U	W	J	S	B	F	Y	S	T
O	N	I	L	W	B	H	Z	E	W	N	U	A	E	V	X	A	S

FIND THESE WORDS

Arete
Cirque
Crevasse
Drumlin

Esker
Fjord
Glacial erratic
Glacial horn

Glacial runoff
Glacier snout
Ice field
Kettle lake

Moraine
Outwash plain
Till plain
Trough valley

Puzzle 7: Dryland Landscapes

Medium | 18 x 18 grid | 16 words | answer included

Z	Y	H	E	T	W	X	Z	L	J	V	E	K	K	A	D	S	Q
P	X	Y	R	N	X	B	Y	G	Z	I	P	Y	W	J	Y	J	B
O	M	S	Y	E	L	L	A	V	Y	R	D	U	R	Q	Q	C	C
T	I	N	E	M	F	W	B	L	D	U	N	A	Q	D	M	L	H
T	O	H	G	I	D	F	V	U	L	X	I	O	W	R	W	G	M
B	M	H	X	D	K	D	N	S	E	U	N	R	N	M	I	J	M
F	P	F	D	E	S	E	R	T	P	A	V	E	M	E	N	T	Y
S	N	M	D	P	C	M	T	N	X	Q	F	I	B	S	D	I	H
E	Y	V	C	R	S	U	B	O	H	R	B	J	A	A	D	V	A
S	C	L	E	Y	B	M	Y	U	X	X	G	L	Q	L	E	D	K
P	I	S	Q	S	A	N	D	S	E	A	T	P	V	W	F	K	M
R	T	D	R	S	O	R	P	F	H	F	Z	B	M	J	L	A	Z
L	S	N	L	B	C	J	D	T	L	R	A	D	A	J	A	B	N
Z	E	A	K	A	S	B	K	A	P	V	L	U	B	H	T	A	Y
S	C	L	Y	I	K	K	T	G	N	F	H	V	B	L	I	I	Y
B	V	D	S	A	S	H	K	B	L	G	X	D	V	D	O	V	A
A	J	A	H	N	L	K	A	T	Y	F	B	S	P	J	N	U	A
U	O	B	G	V	C	P	R	I	J	T	W	Z	D	F	P	I	U

FIND THESE WORDS

Alluvial fan
Badlands
Bajada
Butte

Desert pavement
Dry valley
Dune crest
Mesa

Oasis
Pediment
Playa
Salt flat

Sand sea
Wadi
Wind deflation
Yardang

Puzzle 8: Plate Geography

Medium | 18 x 18 grid | 16 words | answer included

I	L	Q	O	O	E	X	T	G	R	E	T	N	E	C	I	P	E
E	P	X	H	C	E	I	E	C	N	E	G	R	E	V	I	D	C
I	G	M	H	T	E	W	M	P	B	E	B	N	S	T	C	R	V
C	A	D	L	I	T	A	M	I	M	W	O	X	P	X	U	L	O
O	B	E	I	D	G	I	N	P	Q	Z	E	M	U	S	A	W	L
N	J	W	M	R	K	Y	T	T	N	U	E	W	T	J	W	T	C
V	N	T	R	A	N	S	F	O	R	M	F	A	U	L	T	H	A
E	J	I	D	P	V	A	I	Y	U	E	L	L	P	D	O	R	N
R	T	W	A	F	L	T	E	L	J	P	N	V	T	T	K	Y	I
G	E	R	P	T	C	A	P	C	L	C	A	C	S	Z	C	E	C
E	U	R	U	U	N	A	T	A	O	F	O	P	H	A	O	L	A
N	E	U	D	D	M	U	T	E	K	D	O	J	B	U	L	L	R
C	C	B	X	G	O	E	O	D	M	T	I	J	W	U	B	A	C
E	U	J	A	C	G	W	R	M	T	A	A	M	M	W	T	V	F
S	F	M	P	A	L	R	M	R	D	O	R	I	K	P	L	T	H
N	F	M	J	P	B	B	A	J	H	L	H	G	W	K	U	F	S
S	E	I	S	M	I	C	Z	O	N	E	O	Z	I	E	A	I	N
L	X	S	D	P	K	X	C	H	Z	Y	T	F	J	N	F	R	H

FIND THESE WORDS

Convergence

Crustal plate

Divergence

Epicenter

Fault block

Fold mountain

Hotspot track

Magma plume

Mid-ocean ridge

Ocean trench

Plate margin

Rift valley

Seismic zone

Subduction zone

Transform fault

Volcanic arc

Puzzle 9: UN M49 World Regions

Challenging | 20 x 20 grid | 20 words | answer included

G	P	M	H	E	P	O	R	U	E	N	R	E	H	T	R	O	N	R	A
N	U	N	I	M	E	L	A	N	E	S	I	A	G	Q	K	K	D	G	I
P	C	O	K	C	B	A	C	C	H	P	F	I	W	W	A	I	F	I	S
X	A	R	S	Q	R	V	C	A	I	N	I	Z	W	A	G	H	B	T	A
E	I	T	O	T	Y	O	M	I	C	R	B	O	P	O	J	D	A	A	N
P	S	H	F	L	P	L	N	N	R	V	E	S	C	H	S	T	I	U	R
C	A	E	Y	T	O	V	Y	E	O	F	M	M	S	E	I	S	W	A	E
A	L	R	W	K	L	A	W	P	S	M	A	O	A	S	A	T	S	G	T
R	A	N	Y	E	Y	Q	I	O	T	I	U	N	T	N	Y	N	U	Y	S
I	R	A	U	P	N	K	V	R	E	T	A	I	R	H	I	J	I	X	E
B	T	M	X	V	E	L	F	U	H	W	C	E	O	E	F	T	I	A	W
B	N	E	N	Z	S	I	N	E	O	A	T	Q	L	R	H	W	A	N	U
E	E	R	M	E	I	O	R	N	L	S	O	I	V	M	P	T	I	L	Y
A	C	I	R	F	A	N	A	R	A	H	A	S	B	U	S	H	R	S	A
N	N	C	W	A	A	R	E	E	W	O	R	L	D	R	E	G	I	O	N
N	I	A	L	S	C	G	H	H	P	X	O	M	Z	W	S	P	K	U	N
X	O	Y	I	J	I	T	C	T	J	U	C	H	Y	H	B	R	T	E	T
Y	R	A	Z	O	U	R	G	U	V	M	O	W	Z	Z	D	T	L	U	W
Z	P	B	N	O	D	E	P	O	R	U	E	N	R	E	T	S	A	E	I
U	A	H	S	O	K	W	E	S	T	E	R	N	E	U	R	O	P	E	I

FIND THESE WORDS

Caribbean
Central Asia
Eastern Asia
Eastern Europe
Latin America

Melanesia
Micronesia
Northern Africa
Northern America
Northern Europe

Oceania
Polynesia
South-eastern Asia
Southern Asia
Southern Europe

Statistical region
Sub-Saharan Africa
Western Asia
Western Europe
World region

Puzzle 10: Geospatial Data

Challenging | 20 x 20 grid | 20 words | answer included

Z	M	O	M	U	J	D	S	S	P	L	C	Z	U	U	P	A	A	X	E
Z	Y	R	A	C	O	O	R	D	I	N	A	T	E	S	Y	S	T	E	M
N	S	Y	U	G	A	R	A	O	V	O	K	W	E	A	M	C	M	U	E
Y	F	L	S	Q	N	R	T	P	C	A	Y	T	R	G	K	A	H	S	S
H	G	B	S	Y	H	I	A	H	C	E	U	B	N	J	P	J	Y	P	A
S	E	P	C	S	M	I	D	G	O	B	R	I	D	L	R	T	H	A	B
V	O	J	S	A	V	B	R	O	I	I	S	A	A	O	M	H	P	T	A
U	D	C	C	H	V	Q	O	R	C	N	M	Y	T	A	N	I	A	I	T
W	E	L	A	J	P	T	T	L	E	O	E	A	P	A	G	I	R	A	A
H	T	V	L	T	R	T	C	S	I	R	E	P	G	D	D	Q	G	L	D
W	I	D	E	O	A	J	E	W	Q	Z	R	G	E	E	G	A	O	Q	O
U	C	B	D	Z	H	T	V	W	M	O	A	R	V	M	R	M	T	U	E
B	D	I	E	C	O	U	K	P	J	X	D	T	P	E	Q	Y	R	E	G
T	A	E	P	M	L	A	E	E	V	D	Z	J	I	J	W	L	A	R	M
Q	T	N	E	T	X	E	C	I	H	P	A	R	G	O	E	G	C	Y	E
O	U	R	N	R	A	T	A	D	R	E	T	S	A	R	N	I	T	I	N
D	M	Z	D	L	I	N	E	F	E	A	T	U	R	E	I	R	K	R	P
T	Z	G	E	O	S	P	A	T	I	A	L	O	Q	D	G	B	S	D	J
I	G	Y	N	Y	X	I	S	P	M	O	N	B	O	J	G	O	W	R	A
E	R	U	T	A	E	F	N	O	G	Y	L	O	P	V	P	S	W	U	G

FIND THESE WORDS

Attribute	Geodetic datum	Map projection	Remote sensing
Cartography	Geographic extent	Metadata record	Scale-dependent
Coordinate system	Geospatial	Orthoimagery	Spatial query
Geocoding	Line feature	Polygon feature	Symbolization
Geodatabase	Map layer	Raster data	Vector data

Puzzle 11: Population and Settlement

Challenging | 20 x 20 grid | 20 words | answer included

M	D	H	S	C	J	B	C	O	M	M	U	T	E	R	Z	O	N	E	W
M	S	P	T	Y	A	M	I	C	R	O	P	O	L	I	T	A	N	D	Q
L	S	W	O	L	F	N	O	I	T	A	R	G	I	M	E	I	Z	E	E
E	C	U	D	P	C	H	U	J	B	C	I	G	P	R	O	U	C	V	R
G	O	Z	Z	X	U	E	J	W	J	M	F	F	A	B	R	A	H	I	E
A	U	N	N	F	L	L	N	V	N	R	V	L	B	B	L	H	W	T	T
L	N	B	R	R	J	O	A	S	W	C	A	L	A	P	O	L	S	A	N
B	T	Z	H	X	J	M	P	T	U	C	G	N	D	U	K	M	A	R	E
O	Y	N	F	U	B	P	M	J	I	S	F	E	S	P	O	E	E	T	C
U	D	M	W	T	D	F	U	T	H	O	T	I	W	O	C	T	R	S	L
N	I	T	P	S	B	N	S	O	O	A	N	R	T	B	J	R	A	I	A
D	V	G	R	C	D	I	S	T	R	G	Q	D	A	W	J	O	N	N	N
A	I	K	Y	Z	T	R	P	O	D	G	E	T	E	C	J	P	A	I	O
R	S	E	W	A	L	R	P	E	U	D	K	S	V	N	T	O	B	M	I
Y	I	O	T	N	I	R	N	N	N	I	U	C	U	P	S	L	R	D	G
R	O	S	J	N	O	S	K	C	T	L	J	H	O	D	N	I	U	A	E
K	N	P	T	C	I	Y	F	L	S	T	G	N	S	L	N	T	T	S	R
Y	P	K	N	T	N	E	M	E	L	T	T	E	S	H	B	A	F	Y	V
B	O	I	Y	R	U	R	A	L	A	R	E	A	X	K	X	N	L	Z	R
X	Y	H	C	R	A	R	E	I	H	C	I	H	P	A	R	G	O	E	G

FIND THESE WORDS

Administrative	Geographic hierarchy	Metropolitan	Rural area
Block group	Housing density	Micropolitan	Settlement
Census tract	Incorporated place	Migration flow	Statistical area
Commuter zone	Land use	Population density	Urban area
County division	Legal boundary	Regional center	Urban footprint

Puzzle 12: Geographic Fieldwork

Challenging | 20 x 20 grid | 20 words | answer included

R	S	G	P	O	D	O	V	E	C	D	O	N	A	S	H	U	T	F	Q
E	M	A	R	F	G	N	I	L	P	M	A	S	P	Z	B	V	G	O	Q
S	D	C	M	W	Q	J	O	U	G	R	O	U	N	D	T	R	U	T	H
K	R	R	R	P	N	D	L	U	P	W	Y	W	G	G	U	Q	P	I	E
E	O	O	A	K	L	O	Y	Z	H	J	S	H	I	Q	A	K	U	L	W
T	C	S	W	E	S	I	T	E	O	B	S	E	R	V	A	T	I	O	N
C	E	S	P	X	T	Z	N	I	V	G	G	D	L	U	F	F	P	C	B
H	R	S	Y	A	V	U	U	G	P	R	G	Q	M	K	O	N	Y	Y	T
M	Y	E	R	R	T	Z	O	L	P	N	U	A	I	R	R	C	B	A	R
A	E	C	A	Y	O	I	A	R	I	O	P	S	P	W	L	L	Q	V	A
P	V	T	D	F	H	N	A	G	Y	A	I	N	D	B	I	H	B	O	N
S	R	I	N	L	D	B	G	L	N	E	O	N	T	N	T	K	Y	W	S
Y	U	O	U	C	D	A	O	N	P	I	V	B	T	S	U	R	R	P	E
H	S	N	O	U	T	T	O	G	T	A	K	R	B	L	U	O	Z	V	C
T	S	V	B	O	U	T	G	A	E	Y	T	Z	U	Q	W	W	R	R	T
U	E	S	E	G	A	V	V	T	R	J	M	T	F	S	T	D	A	G	D
R	H	G	T	T	N	E	M	E	R	U	S	A	E	M	D	L	E	I	F
F	C	F	I	E	L	D	J	O	U	R	N	A	L	R	Y	E	U	R	M
N	O	O	S	E	A	U	I	N	A	O	K	H	N	X	N	I	G	Q	Q
O	N	O	I	T	A	C	O	L	E	T	I	S	T	L	O	F	H	W	R

FIND THESE WORDS

Cross-section

Elevation profile

Field journal

Field measurement

Fieldwork

Geotagging

Ground survey

Ground truth

Land cover

Map annotation

Sampling frame

Sampling point

Site boundary

Site location

Site observation

Sketch map

Spatial pattern

Survey record

Survey route

Transect

Answer 1: Map Reading

Easy | 15 x 15 grid | 12 words | answer included

J	L	O	I	U	E	C	U	E	Q	Y	D	X	R	S
B	M	A	P	T	I	T	L	E	M	U	Y	Y	B	Y
X	P	A	R	O	U	T	E	M	A	R	K	E	R	M
F	M	A	P	S	H	E	E	T	P	W	G	R	S	B
S	T	N	K	D	S	S	F	M	M	M	R	O	U	O
C	O	R	O	R	I	E	N	T	A	T	I	O	N	L
A	R	I	D	R	V	S	X	D	R	Z	D	X	R	K
L	R	W	N	F	T	A	T	L	G	K	L	X	R	E
E	E	G	A	S	A	H	R	A	I	L	I	Y	H	Y
B	U	K	C	Y	E	T	A	N	N	W	N	I	F	R
A	Q	I	L	L	P	T	Z	R	Y	C	E	E	Z	F
R	Q	C	V	J	B	O	M	N	R	N	E	Z	Z	P
U	T	E	K	V	D	Q	I	A	E	O	Y	K	F	L
P	L	R	H	D	R	O	T	N	P	I	W	V	N	E
V	C	O	S	O	U	G	J	K	T	G	R	B	T	Y

ANSWER WORDS

Grid line S

Inset map SE

Map distance SE

Map margin S

Map sheet E

Map title E

North arrow SE

Orientation E

Route marker E

Scale bar S

Symbol key S

Waypoint SE

Answer 2: Coordinates and Location

Easy | 15 x 15 grid | 12 words | answer included

W	S	R	J	W	P	D	I	E	N	F	M	D	E	H
G	P	U	Z	P	A	K	M	A	Z	A	P	H	J	S
P	R	R	Z	I	H	P	A	S	C	W	A	Y	R	D
A	C	I	I	G	R	E	A	T	C	I	R	C	L	E
L	N	F	D	M	R	B	M	I	I	X	A	D	A	G
F	F	T	K	R	E	A	M	N	A	I	L	Y	T	R
K	F	A	I	A	E	M	T	G	L	I	L	N	I	E
H	J	A	I	M	V	F	E	I	U	C	E	I	T	E
M	I	N	U	T	E	S	E	R	C	M	L	S	U	S
M	U	F	U	P	O	R	C	R	I	U	T	S	D	J
N	H	P	X	G	D	J	I	C	E	D	L	Y	E	T
P	S	U	W	I	A	V	I	D	Q	N	I	E	L	Y
M	V	B	Q	O	E	E	F	X	I	K	C	A	I	Z
R	E	L	C	O	O	R	D	I	N	A	T	E	N	W
W	H	U	U	M	N	O	R	T	H	I	N	G	E	W

ANSWER WORDS

Antimeridian SE

Coordinate E

Degrees S

Easting S

Graticule SE

Great circle E

Grid reference SE

Latitude line S

Minutes E

Northing E

Parallel S

Prime meridian SE

Answer 3: Relief and Terrain

Easy | 15 x 15 grid | 12 words | answer included

M	H	S	J	P	L	D	Q	L	M	I	S	K	T	E
Y	M	O	K	I	Z	U	Y	Y	U	Z	Q	T	D	U
F	O	O	T	H	I	L	L	O	L	K	I	K	W	Y
J	Q	S	U	M	M	I	T	F	S	N	J	I	X	Q
E	E	I	K	N	N	A	X	L	I	O	A	Y	P	A
I	I	S	H	X	T	U	L	G	V	L	K	B	I	S
R	N	P	C	E	M	A	A	R	E	L	I	E	F	N
U	T	U	H	A	Y	V	I	P	Y	O	H	W	O	Z
O	E	R	C	I	R	L	M	N	N	W	B	V	B	C
W	R	T	T	N	G	P	S	Q	P	L	R	C	Q	B
T	F	I	G	E	I	H	M	A	H	A	A	G	I	Y
Z	L	Q	F	V	U	K	L	E	D	N	S	T	J	H
E	U	T	A	B	L	E	L	A	N	D	J	S	V	S
Y	V	M	S	M	B	K	A	E	N	T	L	Y	E	C
C	E	K	N	H	H	B	H	T	K	D	P	E	M	F

ANSWER WORDS

Escarpment SE

Foothill E

Highland SE

Interfluve S

Knoll S

Lowland S

Mountain pass SE

Relief E

Saddle SE

Spur S

Summit E

Tableland E

Answer 4: River Systems

Easy | 15 x 15 grid | 12 words | answer included

S	F	E	R	D	V	C	D	E	Q	J	Z	S	U	D
K	D	S	K	I	M	R	Z	I	D	F	P	V	N	I
F	X	R	O	O	V	V	Z	S	P	D	D	Q	H	C
P	C	I	A	P	H	E	A	D	W	A	T	E	R	D
S	A	V	X	I	I	T	R	I	B	U	T	A	R	Y
K	T	E	F	D	N	R	S	M	X	P	O	V	O	G
C	C	R	X	L	E	A	B	C	O	S	A	S	H	O
H	H	B	E	Z	O	U	G	B	B	U	P	P	H	X
A	M	A	W	A	T	O	Q	E	L	P	T	W	X	B
N	E	N	H	D	M	D	D	Z	D	O	R	H	D	O
N	N	K	D	U	E	B	S	P	S	I	U	C	H	W
E	T	M	E	A	N	D	E	R	L	H	V	T	R	L
L	L	F	G	T	L	Z	E	D	I	A	K	I	R	A
F	J	E	C	E	B	C	O	K	D	G	I	G	D	K
C	O	E	E	B	C	O	N	F	L	U	E	N	C	E

ANSWER WORDS

Catchment S

Channel S

Confluence E

Drainage divide SE

Floodplain SE

Headwater E

Meander E

Oxbow lake S

River bank S

River mouth SE

Streambed SE

Tributary E

Answer 5: Coastal Landscapes

Medium | 18 x 18 grid | 16 words | answer included

E	M	V	Q	A	G	W	D	V	H	H	C	R	A	A	E	S	P
S	K	R	G	S	A	N	D	S	P	I	T	D	C	M	H	C	J
P	R	C	O	A	S	T	A	L	L	A	G	O	O	N	E	D	Y
D	Y	C	T	F	R	X	D	A	L	Y	A	T	N	N	Q	C	A
N	N	O	B	G	T	N	R	F	S	S	M	N	O	R	S	L	P
R	L	A	A	A	A	A	L	L	T	E	R	V	I	J	S	E	Y
E	R	S	L	L	Y	A	L	A	E	T	A	V	T	H	W	T	M
D	N	T	D	S	D	M	L	P	B	C	E	S	A	S	V	R	J
D	W	A	K	I	I	P	O	N	T	R	X	N	T	R	B	N	H
E	E	L	T	Z	L	R	I	U	D	U	N	H	E	A	O	R	S
H	Q	Z	J	A	B	O	E	E	T	H	C	O	G	M	C	A	H
Y	U	O	I	Q	C	T	L	I	G	H	I	E	E	T	I	K	O
P	K	N	X	N	D	T	R	Q	R	S	N	I	V	L	B	M	R
R	Y	E	I	A	A	G	P	V	Y	R	B	N	E	A	X	Y	E
R	S	H	R	D	S	X	M	Y	V	G	A	W	N	S	W	I	Z
I	X	G	X	R	Y	D	G	W	K	Z	B	B	U	H	X	U	O
L	Y	S	S	R	D	T	E	L	N	I	L	A	D	I	T	G	N
P	S	A	S	D	N	R	E	N	C	M	G	S	D	A	D	D	E

ANSWER WORDS

Barrier island NW
Bay mouth SE
Coastal lagoon E
Coastal plain SW

Coastal zone S
Dune vegetation N
Headland NE
River delta SW

Salt marsh N
Sand spit E
Sea arch W
Sea stack SE

Shore zone S
Tidal flat NE
Tidal inlet W
Wave-cut platform NW

Answer 6: Glacial Landscapes

Medium | 18 x 18 grid | 16 words | answer included

L	F	M	E	B	N	N	D	N	B	U	F	R	Z	I	Q	N	P
Z	H	S	J	D	Q	I	S	L	D	I	P	L	A	A	W	Z	B
K	Y	Y	B	G	L	A	C	I	E	R	S	N	O	U	T	I	E
S	K	E	G	H	B	L	L	K	C	I	X	A	R	M	R	P	Q
W	E	X	F	E	P	P	D	N	U	G	F	P	M	G	O	A	O
L	T	S	O	M	D	L	I	D	E	E	P	E	L	S	U	R	T
N	T	M	H	P	E	L	X	Q	G	C	K	A	C	B	G	F	G
I	L	O	B	T	M	I	J	E	I	P	C	T	C	I	H	T	Q
A	E	D	E	U	M	T	B	A	G	I	D	R	J	D	V	U	W
L	L	R	R	N	R	O	H	L	A	I	C	A	L	G	A	M	F
P	A	D	A	H	I	C	X	L	G	D	V	P	N	J	L	P	I
H	K	K	C	I	T	A	R	R	E	L	A	I	C	A	L	G	P
S	E	T	L	G	F	U	R	E	G	S	Q	Z	C	U	E	L	Q
A	E	H	G	I	N	C	V	O	V	R	K	I	T	D	Y	E	C
W	O	Z	W	O	V	W	H	E	M	A	R	E	S	G	I	Z	I
T	V	B	F	J	O	R	D	X	V	Q	S	H	R	U	J	Y	B
U	H	F	Z	S	Z	I	U	X	U	W	J	S	B	F	Y	S	T
O	N	I	L	W	B	H	Z	E	W	N	U	A	E	V	X	A	S

ANSWER WORDS

Arete NE
Cirque SW
Crevasse SE
Drumlin NE

Esker SE
Fjord E
Glacial erratic W
Glacial horn W

Glacial runoff SW
Glacier snout E
Ice field NW
Kettle lake S

Moraine NW
Outwash plain N
Till plain N
Trough valley S

Answer 7: Dryland Landscapes

Medium | 18 x 18 grid | 16 words | answer included

Z	Y	H	E	T	W	X	Z	L	J	V	E	K	K	A	D	S	Q
P	X	Y	R	N	X	B	Y	G	Z	I	P	Y	W	J	Y	J	B
O	M	S	Y	E	L	L	A	V	Y	R	D	U	R	Q	Q	C	C
T	I	N	E	M	F	W	B	L	D	U	N	A	Q	D	M	L	H
T	O	H	G	I	D	F	V	U	L	X	I	O	W	R	W	G	M
B	M	H	X	D	K	D	N	S	E	U	N	R	N	M	I	J	M
F	P	F	D	E	S	E	R	T	P	A	V	E	M	E	N	T	Y
S	N	M	D	P	C	M	T	N	X	Q	F	I	B	S	D	I	H
E	Y	V	C	R	S	U	B	O	H	R	B	J	A	A	D	V	A
S	C	L	E	Y	B	M	Y	U	X	X	G	L	Q	L	E	D	K
P	I	S	Q	S	A	N	D	S	E	A	T	P	V	W	F	K	M
R	T	D	R	S	O	R	P	F	H	F	Z	B	M	J	L	A	Z
L	S	N	L	B	C	J	D	T	L	R	A	D	A	J	A	B	N
Z	E	A	K	A	S	B	K	A	P	V	L	U	B	H	T	A	Y
S	C	L	Y	I	K	K	T	G	N	F	H	V	B	L	I	I	Y
B	V	D	S	A	S	H	K	B	L	G	X	D	V	D	O	V	A
A	J	A	H	N	L	K	A	T	Y	F	B	S	P	J	N	U	A
U	O	B	G	V	C	P	R	I	J	T	W	Z	D	F	P	I	U

ANSWER WORDS

Alluvial fan SE

Badlands N

Bajada W

Butte NE

Desert pavement E

Dry valley W

Dune crest SW

Mesa S

Oasis NE

Pediment N

Playa NW

Salt flat SW

Sand sea E

Wadi NW

Wind deflation S

Yardang SE

Answer 8: Plate Geography

Medium | 18 x 18 grid | 16 words | answer included

I	L	Q	O	O	E	X	T	G	R	E	T	N	E	C	I	P	E
E	P	X	H	C	E	I	E	C	N	E	G	R	E	V	I	D	C
I	G	M	H	T	E	W	M	P	B	E	B	N	S	T	C	R	V
C	A	D	L	I	T	A	M	I	M	W	O	X	P	X	U	L	O
O	B	E	I	D	G	I	N	P	Q	Z	E	M	U	S	A	W	L
N	J	W	M	R	K	Y	T	T	N	U	E	W	T	J	W	T	C
V	N	T	R	A	N	S	F	O	R	M	F	A	U	L	T	H	A
E	J	I	D	P	V	A	I	Y	U	E	L	L	P	D	O	R	N
R	T	W	A	F	L	T	E	L	J	P	N	V	T	T	K	Y	I
G	E	R	P	T	C	A	P	C	L	C	A	C	S	Z	C	E	C
E	U	R	U	U	N	A	T	A	O	F	O	P	H	A	O	L	A
N	E	U	D	D	M	U	T	E	K	D	O	J	B	U	L	L	R
C	C	B	X	G	O	E	O	D	M	T	I	J	W	U	B	A	C
E	U	J	A	C	G	W	R	M	T	A	A	M	M	W	T	V	F
S	F	M	P	A	L	R	M	R	D	O	R	I	K	P	L	T	H
N	F	M	J	P	B	B	A	J	H	L	H	G	W	K	U	F	S
S	E	I	S	M	I	C	Z	O	N	E	O	Z	I	E	A	I	N
L	X	S	D	P	K	X	C	H	Z	Y	T	F	J	N	F	R	H

ANSWER WORDS

Convergence S
Crustal plate SW
Divergence W
Epicenter W

Fault block N
Fold mountain NW
Hotspot track SW
Magma plume NE

Mid-ocean ridge NW
Ocean trench SE
Plate margin SE
Rift valley N

Seismic zone E
Subduction zone NE
Transform fault E
Volcanic arc S

Answer 9: UN M49 World Regions

Challenging | 20 x 20 grid | 20 words | answer included

G	P	M	H	E	P	O	R	U	E	N	R	E	H	T	R	O	N	R	A
N	U	N	I	M	E	L	A	N	E	S	I	A	G	Q	K	K	D	G	I
P	C	O	K	C	B	A	C	C	H	P	F	I	W	W	A	I	F	I	S
X	A	R	S	Q	R	V	C	A	I	N	I	Z	W	A	G	H	B	T	A
E	I	T	O	T	Y	O	M	I	C	R	B	O	P	O	J	D	A	A	N
P	S	H	F	L	P	L	N	N	R	V	E	S	C	H	S	T	I	U	R
C	A	E	Y	T	O	V	Y	E	O	F	M	M	S	E	I	S	W	A	E
A	L	R	W	K	L	A	W	P	S	M	A	O	A	S	A	T	S	G	T
R	A	N	Y	E	Y	Q	I	O	T	I	U	N	T	N	Y	N	U	Y	S
I	R	A	U	P	N	K	V	R	E	T	A	I	R	H	I	J	I	X	E
B	T	M	X	V	E	L	F	U	H	W	C	E	O	E	F	T	I	A	W
B	N	E	N	Z	S	I	N	E	O	A	T	Q	L	R	H	W	A	N	U
E	E	R	M	E	I	O	R	N	L	S	O	I	V	M	P	T	I	L	Y
A	C	I	R	F	A	N	A	R	A	H	A	S	B	U	S	H	R	S	A
N	N	C	W	A	A	R	E	E	W	O	R	L	D	R	E	G	I	O	N
N	I	A	L	S	C	G	H	H	P	X	O	M	Z	W	S	P	K	U	N
X	O	Y	I	J	I	T	C	T	J	U	C	H	Y	H	B	R	T	E	T
Y	R	A	Z	O	U	R	G	U	V	M	O	W	Z	Z	D	T	L	U	W
Z	P	B	N	O	D	E	P	O	R	U	E	N	R	E	T	S	A	E	I
U	A	H	S	O	K	W	E	S	T	E	R	N	E	U	R	O	P	E	I

ANSWER WORDS

Caribbean S	Melanesia E	Oceania SE	Statistical region SW
Central Asia N	Micronesia SE	Polynesia S	Sub-Saharan Africa W
Eastern Asia NE	Northern Africa NW	South-eastern Asia NE	Western Asia N
Eastern Europe W	Northern America S	Southern Asia SW	Western Europe E
Latin America NW	Northern Europe W	Southern Europe N	World region E

Answer 10: Geospatial Data

Challenging | 20 x 20 grid | 20 words | answer included

Z	M	O	M	U	J	D	S	S	P	L	C	Z	U	U	P	A	A	X	E
Z	Y	R	A	C	O	O	R	D	I	N	A	T	E	S	Y	S	T	E	M
N	S	Y	U	G	A	R	A	O	V	O	K	W	E	A	M	C	M	U	E
Y	F	L	S	Q	N	R	T	P	C	A	Y	T	R	G	K	A	H	S	S
H	G	B	S	Y	H	I	A	H	C	E	U	B	N	J	P	J	Y	P	A
S	E	P	C	S	M	I	D	G	O	B	R	I	D	L	R	T	H	A	B
V	O	J	S	A	V	B	R	O	I	I	S	A	A	O	M	H	P	T	A
U	D	C	C	H	V	Q	O	R	C	N	M	Y	T	A	N	I	A	I	T
W	E	L	A	J	P	T	T	L	E	O	E	A	P	A	G	I	R	A	A
H	T	V	L	T	R	T	C	S	I	R	E	P	G	D	D	Q	G	L	D
W	I	D	E	O	A	J	E	W	Q	Z	R	G	E	E	G	A	O	Q	O
U	C	B	D	Z	H	T	V	W	M	O	A	R	V	M	R	M	T	U	E
B	D	I	E	C	O	U	K	P	J	X	D	T	P	E	Q	Y	R	E	G
T	A	E	P	M	L	A	E	E	V	D	Z	J	I	J	W	L	A	R	M
Q	T	N	E	T	X	E	C	I	H	P	A	R	G	O	E	G	C	Y	E
O	U	R	N	R	A	T	A	D	R	E	T	S	A	R	N	I	T	I	N
D	M	Z	D	L	I	N	E	F	E	A	T	U	R	E	I	R	K	R	P
T	Z	G	E	O	S	P	A	T	I	A	L	O	Q	D	G	B	S	D	J
I	G	Y	N	Y	X	I	S	P	M	O	N	B	O	J	G	O	W	R	A
E	R	U	T	A	E	F	N	O	G	Y	L	O	P	V	P	S	W	U	G

ANSWER WORDS

Attribute NE	Geodetic datum S	Map projection SW	Remote sensing NE
Cartography N	Geographic extent W	Metadata record NW	Scale-dependent S
Coordinate system E	Geospatial E	Orthoimagery SE	Spatial query S
Geocoding NW	Line feature E	Polygon feature W	Symbolization SE
Geodatabase N	Map layer SW	Raster data W	Vector data N

Answer 11: Population and Settlement

Challenging | 20 x 20 grid | 20 words | answer included

M	D	H	S	C	J	B	C	O	M	M	U	T	E	R	Z	O	N	E	W
M	S	P	T	Y	A	M	I	C	R	O	P	O	L	I	T	A	N	D	Q
L	S	W	O	L	F	N	O	I	T	A	R	G	I	M	E	I	Z	E	E
E	C	U	D	P	C	H	U	J	B	C	I	G	P	R	O	U	C	V	R
G	O	Z	Z	X	U	E	J	W	J	M	F	F	A	B	R	A	H	I	E
A	U	N	N	F	L	L	N	V	N	R	V	L	B	B	L	H	W	T	T
L	N	B	R	R	J	O	A	S	W	C	A	L	A	P	O	L	S	A	N
B	T	Z	H	X	J	M	P	T	U	C	G	N	D	U	K	M	A	R	E
O	Y	N	F	U	B	P	M	J	I	S	F	E	S	P	O	E	E	T	C
U	D	M	W	T	D	F	U	T	H	O	T	I	W	O	C	T	R	S	L
N	I	T	P	S	B	N	S	O	O	A	N	R	T	B	J	R	A	I	A
D	V	G	R	C	D	I	S	T	R	G	Q	D	A	W	J	O	N	N	N
A	I	K	Y	Z	T	R	P	O	D	G	E	T	E	C	J	P	A	I	O
R	S	E	W	A	L	R	P	E	U	D	K	S	V	N	T	O	B	M	I
Y	I	O	T	N	I	R	N	N	N	I	U	C	U	P	S	L	R	D	G
R	O	S	J	N	O	S	K	C	T	L	J	H	O	D	N	I	U	A	E
K	N	P	T	C	I	Y	F	L	S	T	G	N	S	L	N	T	T	S	R
Y	P	K	N	T	N	E	M	E	L	T	T	E	S	H	B	A	F	Y	V
B	O	I	Y	R	U	R	A	L	A	R	E	A	X	K	X	N	L	Z	R
X	Y	H	C	R	A	R	E	I	H	C	I	H	P	A	R	G	O	E	G

ANSWER WORDS

Administrative N
Block group NW
Census tract SE
Commuter zone E
County division S

Geographic hierarchy W
Housing density SW
Incorporated place NE
Land use NW
Legal boundary S

Metropolitan S
Micropolitan E
Migration flow W
Population density SE
Regional center N

Rural area E
Settlement W
Statistical area NE
Urban area N
Urban footprint SW

Answer 12: Geographic Fieldwork

Challenging | 20 x 20 grid | 20 words | answer included

R	S	G	P	O	D	O	V	E	C	D	O	N	A	S	H	U	T	F	Q
E	M	A	R	F	G	N	I	L	P	M	A	S	P	Z	B	V	G	O	Q
S	D	C	M	W	Q	J	O	U	G	R	O	U	N	D	T	R	U	T	H
K	R	R	R	P	N	D	L	U	P	W	Y	W	G	G	U	Q	P	I	E
E	O	O	A	K	L	O	Y	Z	H	J	S	H	I	Q	A	K	U	L	W
T	C	S	W	E	S	I	T	E	O	B	S	E	R	V	A	T	I	O	N
C	E	S	P	X	T	Z	N	I	V	G	G	D	L	U	F	F	P	C	B
H	R	S	Y	A	V	U	U	G	P	R	G	Q	M	K	O	N	Y	Y	T
M	Y	E	R	R	T	Z	O	L	P	N	U	A	I	R	R	C	B	A	R
A	E	C	A	Y	O	I	A	R	I	O	P	S	P	W	L	L	Q	V	A
P	V	T	D	F	H	N	A	G	Y	A	I	N	D	B	I	H	B	O	N
S	R	I	N	L	D	B	G	L	N	E	O	N	T	N	T	K	Y	W	S
Y	U	O	U	C	D	A	O	N	P	I	V	B	T	S	U	R	R	P	E
H	S	N	O	U	T	T	O	G	T	A	K	R	B	L	U	O	Z	V	C
T	S	V	B	O	U	T	G	A	E	Y	T	Z	U	Q	W	W	R	R	T
U	E	S	E	G	A	V	V	T	R	J	M	T	F	S	T	D	A	G	D
R	H	G	T	T	N	E	M	E	R	U	S	A	E	M	D	L	E	I	F
F	C	F	I	E	L	D	J	O	U	R	N	A	L	R	Y	E	U	R	M
N	O	O	S	E	A	U	I	N	A	O	K	H	N	X	N	I	G	Q	Q
O	N	O	I	T	A	C	O	L	E	T	I	S	T	L	O	F	H	W	R

ANSWER WORDS

Cross-section S

Elevation profile NE

Field journal E

Field measurement W

Fieldwork N

Geotagging NE

Ground survey NW

Ground truth E

Land cover SW

Map annotation SW

Sampling frame W

Sampling point SE

Site boundary N

Site location W

Site observation E

Sketch map S

Spatial pattern SE

Survey record N

Survey route NW

Transect S