



**BRITISH  
COLUMBIA**

**Ministry of Energy and Mines**  
Energy and Minerals Division  
Geological Survey Branch



# **GeoLogos**

**A collection of word puzzles  
with geological and mineral themes**

**By Nick Massey and Dorte Jakobsen**

**Information Circular 2002-2**

# Rocks I

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

amphibolite  
 andesite  
 argillite  
 basalt  
 bed  
 breccia  
 clastic  
 clay  
 chemical  
 chert  
 coal  
 conglomerate  
 dacite  
 diabase  
 diorite  
 dolomite  
 dunite  
 dyke  
 foliated  
 gabbro  
 gneiss  
 granite

granodiorite  
 greenstone  
 hornfels  
 igneous  
 intrusion  
 volcanic  
 lava  
 limestone  
 marble  
 metamorphic  
 mudstone  
 obsidian  
 pegmatite  
 peridotite  
 phyllite  
 pluton  
 plutonic  
 porphyry  
 pyroxenite  
 quartzite  
 rhyolite  
 sandstone

schist  
 sedimentary  
 serpentinite  
 shale  
 siltstone  
 sill  
 skarn  
 slate  
 stratum  
 syenite  
 trachyte  
 tuff  
 volcano

# Rocks II

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

amphibolite  
 andesite  
 argillite  
 basalt  
 bed  
 breccia  
 clastic  
 clay  
 chemical  
 chert  
 coal  
 conglomerate  
 dacite  
 diabase  
 diorite  
 dolomite  
 dunite  
 dyke  
 foliated  
 gabbro

gneiss  
 granite  
 granodiorite  
 greenstone  
 hornfels  
 igneous  
 intrusion  
 volcanic  
 lava  
 limestone  
 marble  
 metamorphic  
 mudstone  
 obsidian  
 pegmatite  
 peridotite  
 phyllite  
 pluton  
 plutonic  
 porphyry

pyroxenite  
 quartzite  
 rhyolite  
 sandstone  
 schist  
 sedimentary  
 serpentinite  
 shale  
 siltstone  
 sill  
 skarn  
 slate  
 stratum  
 syenite  
 trachyte  
 tuff  
 volcano

# Minerals and their Properties I

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

agate	garnet	pyrophyllite	fracture
amphibole	gold	pyroxene	glassy
arsenopyrite	gypsum	pyrrhotite	lustre
asbestos	hematite	quartz	magnetic
augite	hornblende	rhodonite	massive
azurite	jade	siderite	metallic
barite	limonite	silver	odour
biotite	magnesite	sphalerite	sectile
bornite	magnetite	talc	streak
calcite	malachite	tetrahedrite	taste
chalcopyrite	mica	vermiculite	
chlorite	muscovite	zeolite	
chromite	nephrite	botryoidal	
cinnabar	olivine	cleavage	
diatomite	opal	colour	
dolomite	orthoclase	crystal	
epidote	perlite	ductile	
feldspar	plagioclase	earthy	
galena	pyrite	form	

# Minerals and their Properties II

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

agate  
 amphibole  
 arsenopyrite  
 asbestos  
 augite  
 azurite  
 barite  
 biotite  
 bornite  
 calcite  
 chalcopyrite  
 chlorite  
 chromite  
 cinnabar  
 diatomite  
 dolomite  
 epidote  
 feldspar  
 galena  
 garnet

gold  
 gypsum  
 hematite  
 hornblende  
 jade  
 limonite  
 magnesite  
 magnetite  
 malachite  
 mica  
 muscovite  
 nephrite  
 olivine  
 opal  
 orthoclase  
 perlite  
 plagioclase  
 pyrite  
 pyrophyllite  
 pyroxene

pyrrhotite  
 quartz  
 rhodonite  
 siderite  
 silver  
 sphalerite  
 talc  
 tetrahedrite  
 vermiculite  
 zeolite  
 botryoidal  
 cleavage  
 colour  
 crystal  
 ductile  
 earthy  
 form  
 fracture  
 glassy  
 lustre

magnetic  
 massive  
 metallic  
 odour  
 sectile  
 streak  
 taste

# Gold in B.C. I

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

amalgam  
 black sand  
 bonanza  
 brush  
 bucket  
 bulldozer  
 claim  
 clean-up  
 colour  
 creek  
 cyanide  
 dredge  
 drift  
 dust  
 flakes  
 flume  
 garnet  
 gold pan  
 gravel  
 hydraulicking  
 magnetite  
 mercury

miner  
 monitor  
 motherlode  
 nozzle  
 nugget  
 ore  
 panning  
 paystreak  
 pick  
 placer  
 poke  
 prospector  
 pyrite  
 quartz  
 riffle  
 rocker box  
 sandbar  
 shaft  
 shovel  
 sluice box  
 strike  
 tailings

tweezers  
 vein  
 water  
 waterwheel  
 Atlin  
 Barkerville  
 Begbie  
 Cariboo  
 Dewdney Trail  
 Douglas  
 Fraser River  
 Kootenays  
 Thompson River  
 Williams Creek  
 Victoria

## Gold in B.C. II

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

amalgam  
 black sand  
 bonanza  
 brush  
 bucket  
 bulldozer  
 claim  
 clean-up  
 colour  
 creek  
 cyanide  
 dredge  
 drift  
 dust  
 flakes  
 flume  
 garnet  
 gold pan  
 gravel  
 hydraulicking  
 magnetite  
 mercury

miner  
 monitor  
 motherlode  
 nozzle  
 nugget  
 ore  
 panning  
 paystreak  
 pick  
 placer  
 poke  
 prospector  
 pyrite  
 quartz  
 riffle  
 rocker box  
 sandbar  
 shaft  
 shovel  
 sluice box  
 strike  
 tailings

tweezers  
 vein  
 water  
 waterwheel  
 Atlin  
 Barkerville  
 Begbie  
 Cariboo  
 Dewdney Trail  
 Douglas  
 Fraser River  
 Kootenays  
 Thompson River  
 Williams Creek  
 Victoria

## MINERALS 'R US

Minerals give us many of the things we use in our everyday lives, from computers to bikes, diaper pins to flashlights, toothpaste to pencils. See if you can match the minerals with their products in the list below. Draw a pencil line between the matching pairs.

Chalcopyrite	Fishing weight
Scheelite	Pop can
Quartz	Table salt
Hematite	Skin cream
Halite	Toothpaste
Bauxite	Wall board
Graphite	Penny
Galena	Thermometer
Sphalerite	Potting soil
Cinnabar	Light bulb
Limestone	Silicon chip
Gypsum	Film
Phosphate rock	Sand paper
Kaolinite	Pencil
Talc	Sculpture
Vermiculite	Jewellery
Garnet	Surgical steel
Gold	Fertilizer
Jade	Talcum powder
Native silver	China plate
Zeolite	Ice skates
Pentlandite	Kitty litter

Can you see any other things made from minerals in your room? How about in your kitchen? Or in your school?

Now try the Wordsearch Puzzle on the next page.



# MINERALS 'R US

## Wordsearch

```

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

```

Bauxite  
 Chalcopyrite  
 China plate  
 Cinnabar  
 Fertilizer  
 Film  
 Fishing weight  
 Galena  
 Garnet  
 Gold  
 Graphite  
 Gypsum  
 Halite  
 Hematite  
 Ice skates

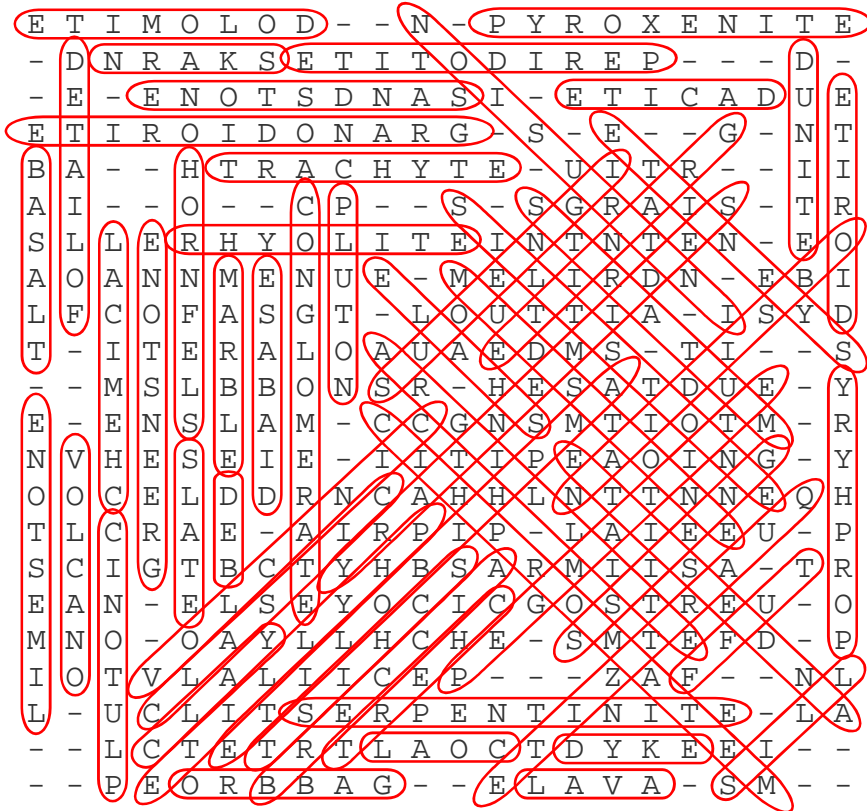
Jade  
 Jewellery  
 Kaolinite  
 Kitty litter  
 Light bulb  
 Limestone  
 Native silver  
 Pencil  
 Penny  
 Pentlandite  
 Phosphate rock  
 Pop can  
 Potting soil  
 Quartz  
 Sand paper

Scheelite  
 Sculpture  
 Silicon chip  
 Skin cream  
 Sphalerite  
 Surgical steel  
 Table salt  
 Talc  
 Talcum powder  
 Thermometer  
 Toothpaste  
 Vermiculite  
 Wall board  
 Zeolite

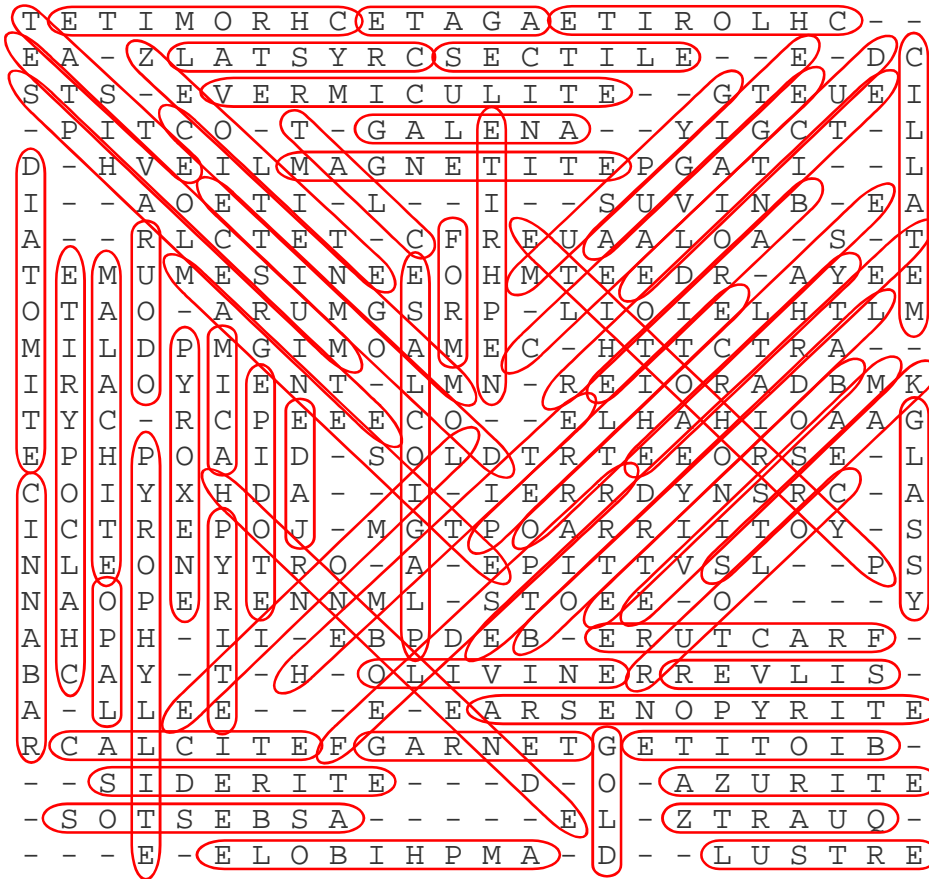
# Rocks I solution

--C--RHYOLITE--BASALT  
--SIETITAMGEP--ETIROIDA  
-N-TNETIMOLODENOTS DUMI  
-HOGGRANODIORITECITSALC  
GOGI-AC-ETITODIREP--LC  
-R-NSCTLS-N-PHYLLITEAE  
FNAEEUOUE-R--E-PS-ECR  
SF-NSIRNMVD-AT--LUN-IB  
EEU-IASIGC-IK--UOD-MV  
TLRTEETBSNLLLM-S-TEUS EOL  
ISDP-TEAEIOAEEDSONNHL  
S-Y-EGINIB-MYNNENGIACC  
E-KEANOLID-EEEOITTT-A  
D-EBTTTHLETFERSTAAE-N  
N-B-SIPITINRC-ALSRI--O  
AR-TTMNINOGI-S-TLDYL--  
O-LRA-ZETINRH--ELN-O-  
-IEC-TXSOTAAOBSIDIANF  
SHOAROE-TSLE-TSIHCS-S-  
CAVARM-UBEDMETAMORPHIC  
LAUYIELEBRAMYRYHPOP--  
LOPL-PTRACHYTE--ETICAD

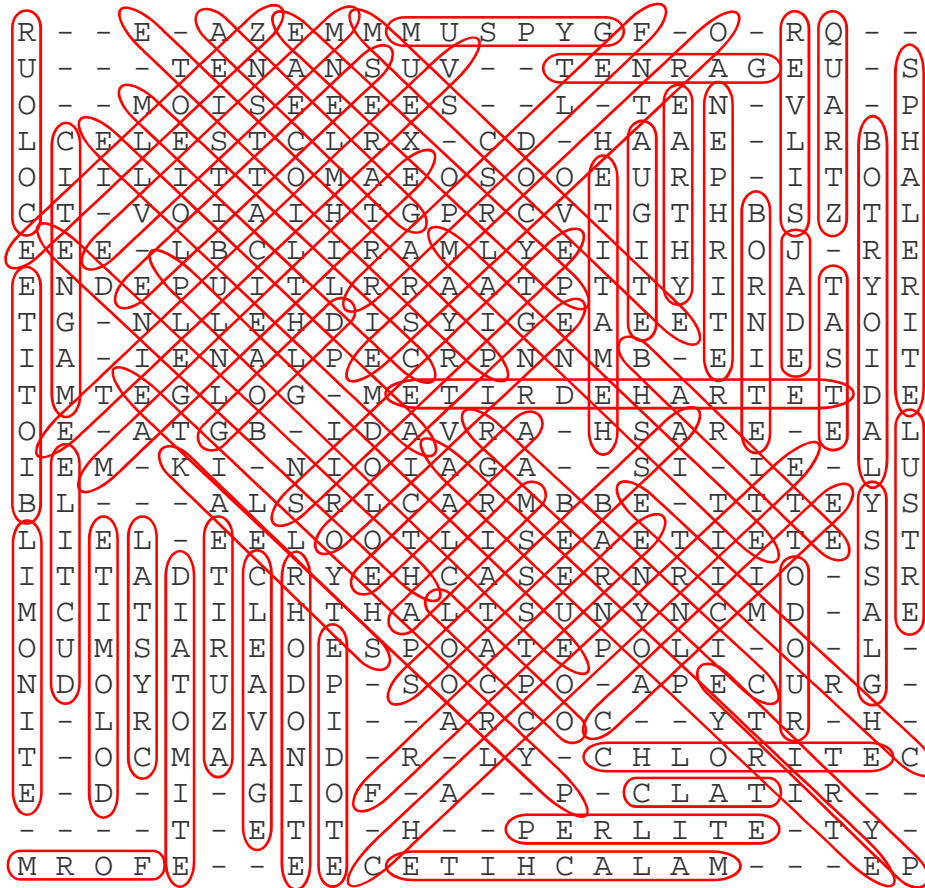
## Rocks II solution



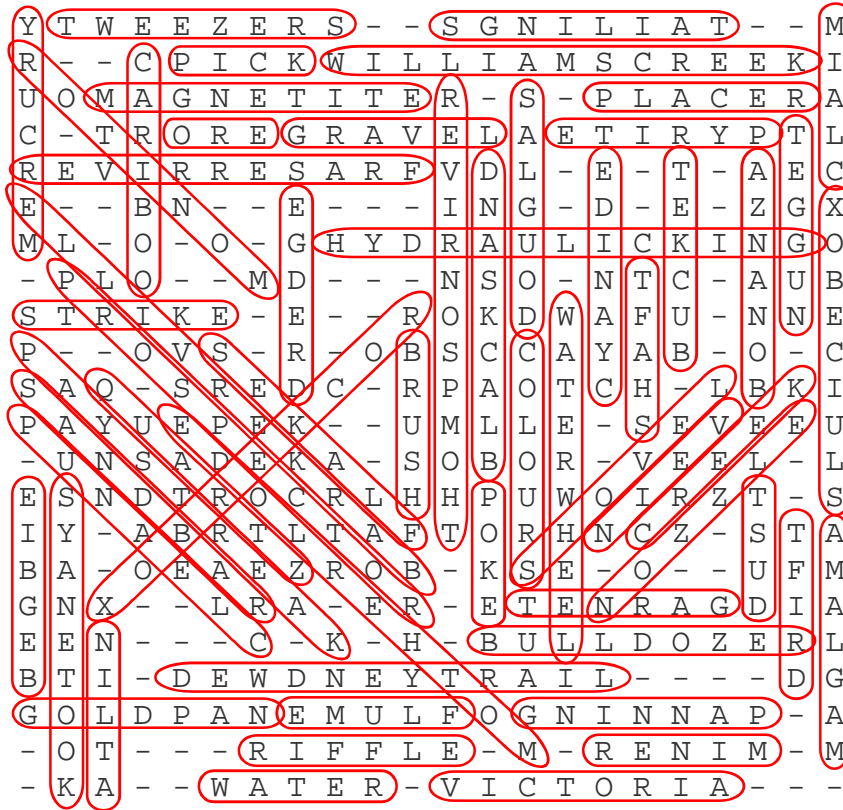
# Minerals and their Properties I solution



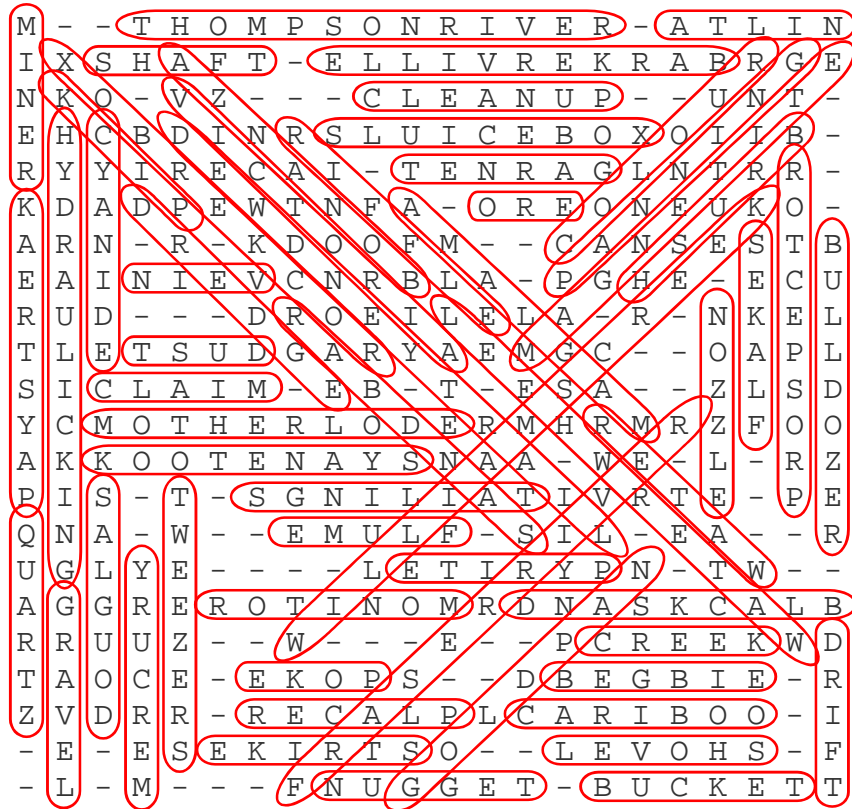
## Minerals and their Properties II solution



# Gold in B.C. I solution

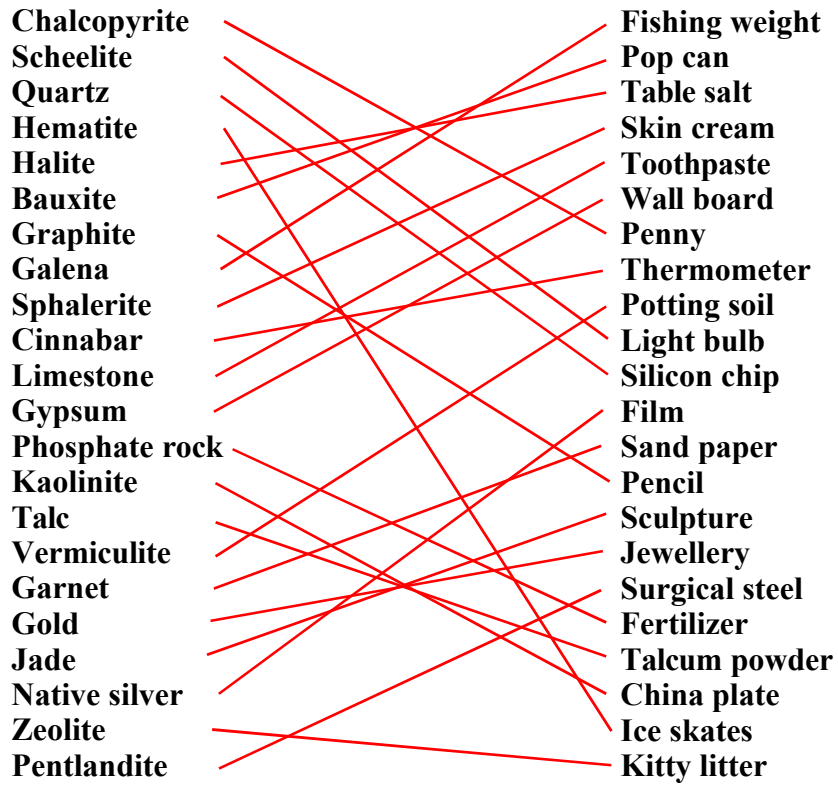


## Gold in B.C. II solution



# Minerals 'R Us

## Solution





# Minerals R Us wordsearch solution

