

Junior Explorers Challenge

ACTIVITY SHEET



A Prospector's Field Notebook

A weathered field notebook has been discovered near the old Val-d'Or gold camp. Time has faded some of the pages but the clues are still there! Read the story *Val-d'Or - Gold, Grit and the Road to the North* and use information from the story to complete the field notebook

1. Complete an exploration entry from the field notebook using clues from the story and the word bank below.

WORD BANK:

Cracks

Gold

Mineral

Rock

Underground

Deposit

Lamaque

Network

Sigma

Valuable

FIELD NOTES: ABITIBI REGION, QC, 1931

OBSERVATIONS:

Dense, rocky forest with exposed bedrock. Samples collected for further study.

Gold has been recently discovered at the Sullivan property. Similar discoveries have been reported at _____ and _____ mines. These discoveries suggest that the area may contain more than one isolated gold _____.

GEOLOGICAL INTERPRETATIONS:

Quartz veins observed cutting through the surrounding _____. Some veins contain tiny pieces of _____ trapped inside of the solid rock. Additional samples should be collected to determine whether mineralization continues.

Gold-bearing veins may be part of a _____ formed millions of years ago. Ancient _____ in the rock were filled with hot, _____-rich fluids. As the fluid cooled, they left behind gold and other minerals creating _____ deposits deep _____.

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2. Another page of the notebook has been recovered! It's a prospector's packing list, filled with the tools and supplies needed for an expedition into the wilderness. Complete the word search to uncover everything they would need to explore for gold.

PACKING LIST:

BOOTS
COMPASS
FLAGGING TAPE

GLASSES
GLOVES
HAMMER

HAND LENS
NOTEBOOK
PICKAXE

SAMPLE BAG
VEST
WATER

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