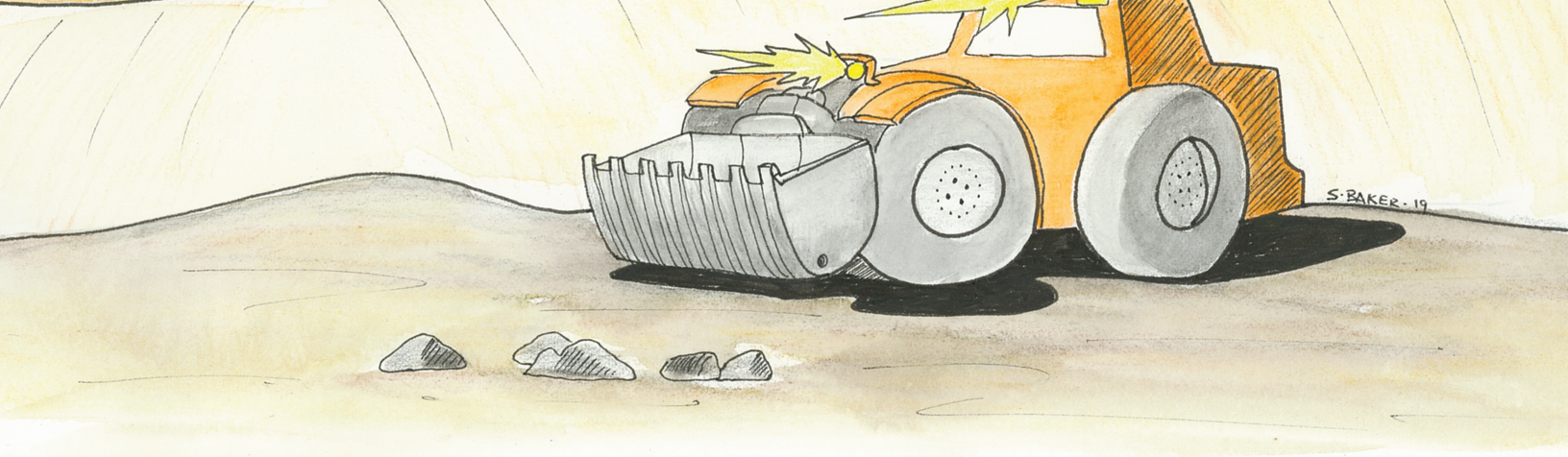
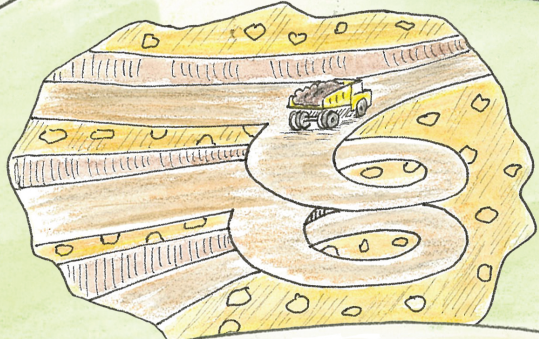
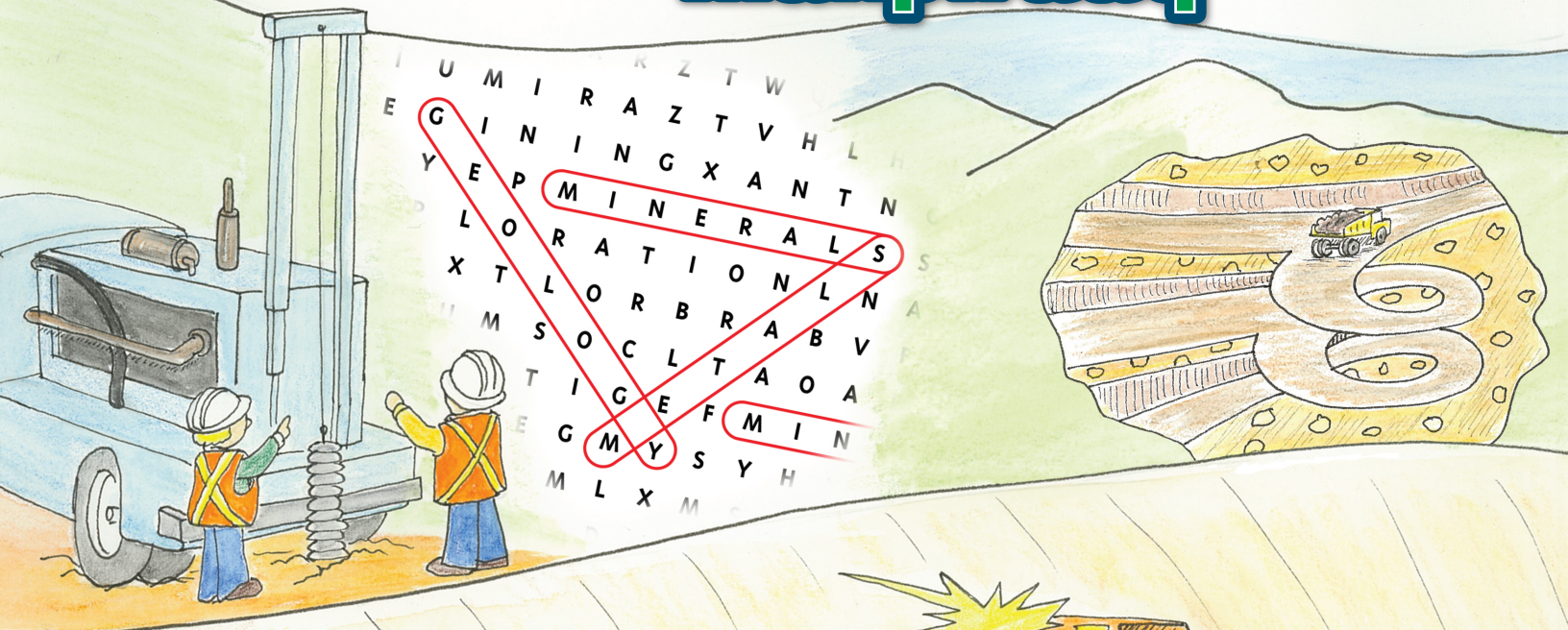




Activity Book Ayuirhaidjut Makpiraaq





Mining Matters is a charitable organization dedicated to educating young people to develop knowledge and awareness of Earth sciences, the minerals industry, and their roles in society. The organization provides current information about rocks, minerals, metals, mining and the diverse career opportunities available in the minerals industry.

MiningMatters.ca

Charitable Registration Number 88775 6435 RR0001

Printed in 2020



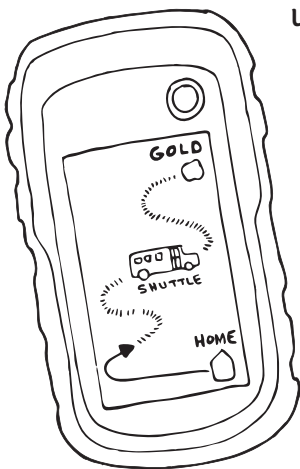
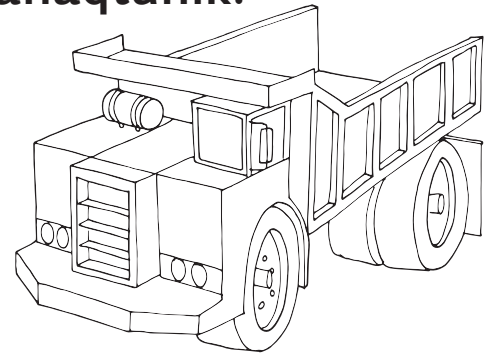
Activity Book

Ayuirhaidjut Makpiraaq

Grab your hard hat and get ready to dig into a mine load of fun!

Havakviup Nahanic atilutit algakniaravit uyarakhiurvikmi amigaittuq alianaqtunik!

Packed with puzzles, the Mining Matters Activity Book includes codes to crack, things to spot, word searches, crosswords and more. Discover the three rock groups and the properties of minerals. Learn that rocks, metals and minerals are in the items you use everyday and explore exciting careers in the minerals industry. Discover why Mining Matters, and have fun doing it!



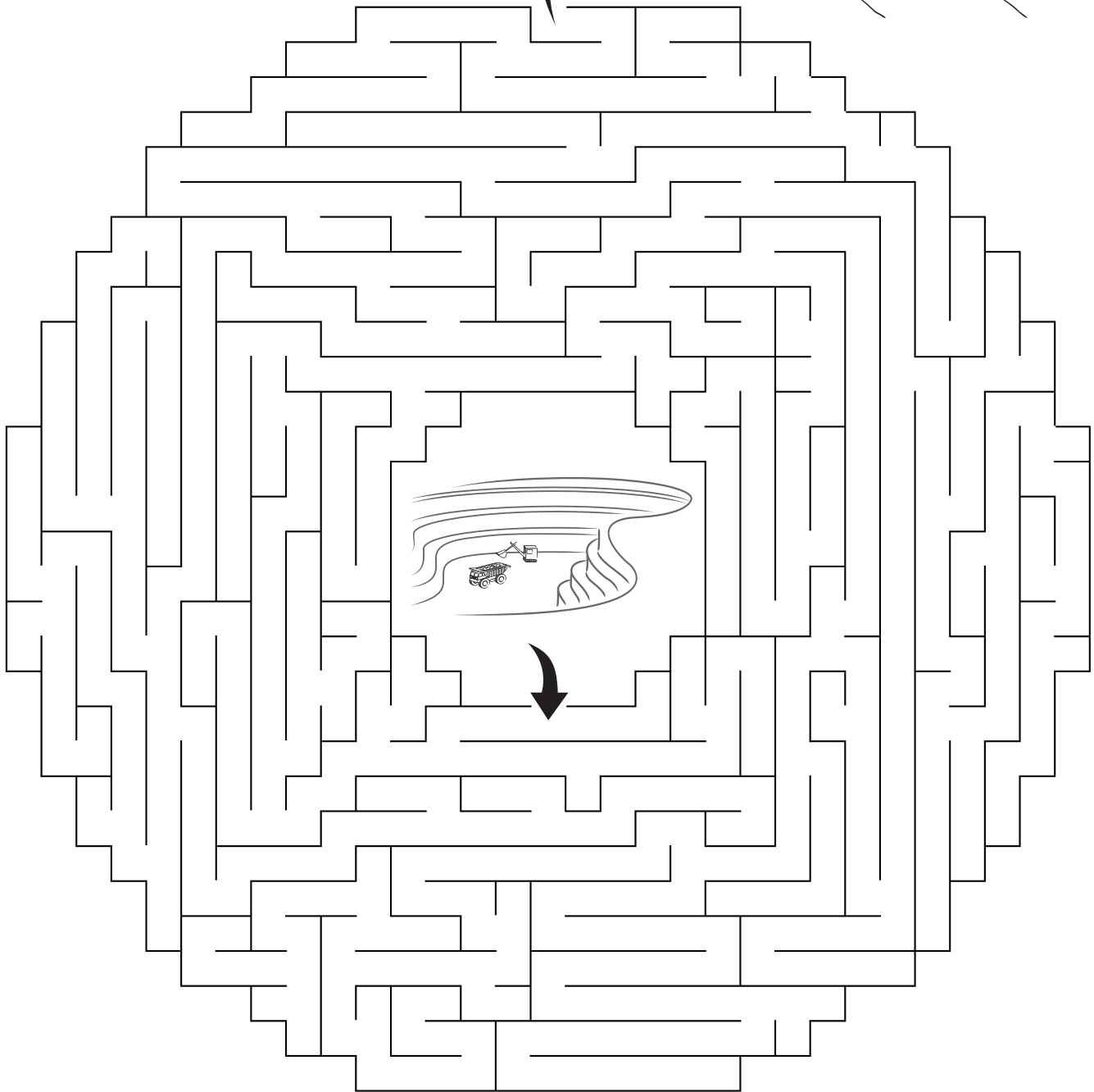
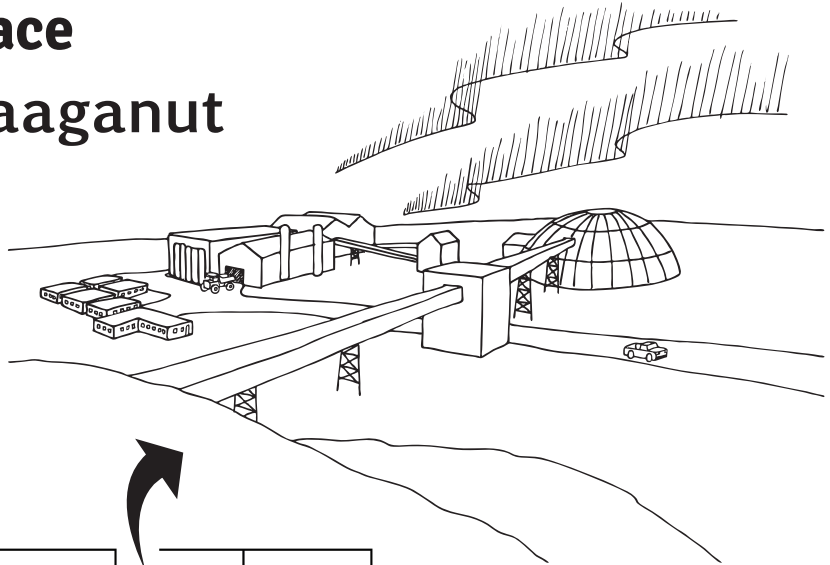
Amigaittuq iviqtitaanik, Uyarakhiurniq Akhuurutauyuq Ayuirhaidjut Makpiraaq piqaqtuq maliktakhanik, humik qinirhiayukhaq, tainiqmik qinirhiayukhaq, iviqtitaat titiraqhimayut iliuraqtakhat qiuqutinut amihuniklu. Naunaiyarlugu pingahut uyaqqat pihimaningalu uyaqqat. Ayuirulugu uyaqqat, havigaliit uyaqqallu atuqtatit ubluq tamaat qinirlugulu quvianaqtut havaakhat uyarakhiurvikmi. Naunaiyarlugu huuq Uyarakhiurniq Piyuq, alianaqtumik pilutit!

Navigate to the Surface

Aqulutit Nunap Qaaganut

Help the mining truck driver haul the ore out of the surface mine and deliver it to the processing plant. Ore is a rock that contains a valuable metal or mineral.

Ikayuqlugu uyaraqtaunmik aqutuq
akyariagani uyaraqtaanik nunap
qaaganut akyaqlugilu uyaqiqivikmut.
Uyaraktaat ukua uyaqat
piqaqtut akituyunik havivaluknik
uyaraktaaqaanikluniit.



Safety Dress Up

Aaniqnaitumik Aanuraaqtuqniq

Canada is a world leader in the mining industry. Safety is the industry's number one most important practice. Help Kallik get dressed for a day at the underground mine site in her Personal Protective Equipment (PPE).

Kanata hilaquyami hivuliqhuqtuq uyaraktaqtini. Aanigitaagani havakviuyut hivuliq atuqluaqtauyut pigiarutimi. Ikayuqlugu Kallik aanuraaqturiagani ubluk nunap iluani uyaraktaqviki havagiagani Inmi Aaniriipkutiniq Piqutinik (PPE) atuqluni.

Match the correct words with the safety equipment, and then match the equipment to Kallik.

Nalautilugit taijuhiuluaqtut aaniriipkutiniq piqutinut, nalautilugilu piqutit Kallik-mut.

Safety Gloves
aniriipkutit pualuuk

Ear Muffs
hiutaiyariipkutik

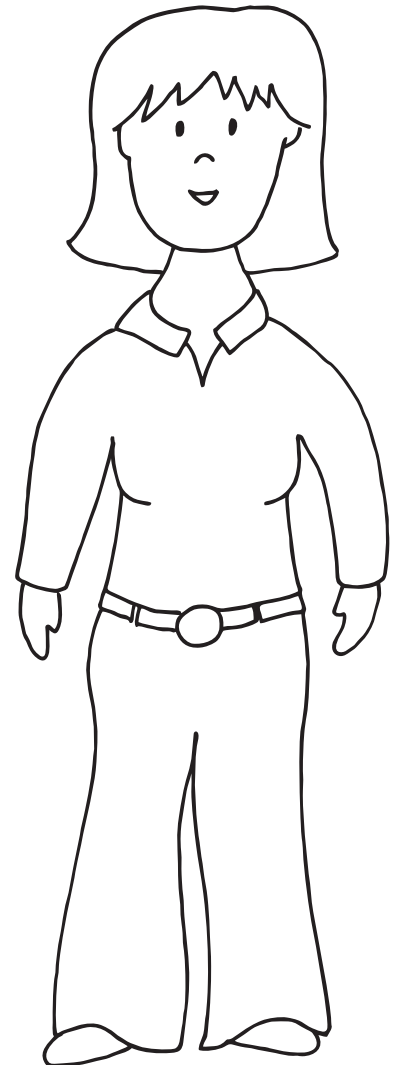
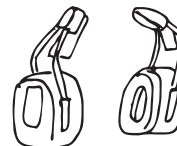
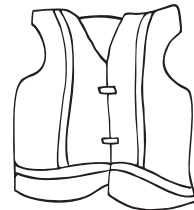
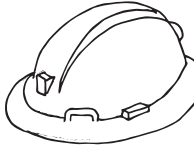
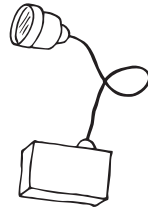
Hard Hat
hitiyuq nahaq

Head Lamp and
Battery Pack
ahaqmi naniruut
batuliiqaqviku

Safety Glasses
aaniriipkutik ilgaak

Safety Boots
aaniriipkutik kammak

Safety Vest
aaniriipkulu
puvailitaqtut ittuq

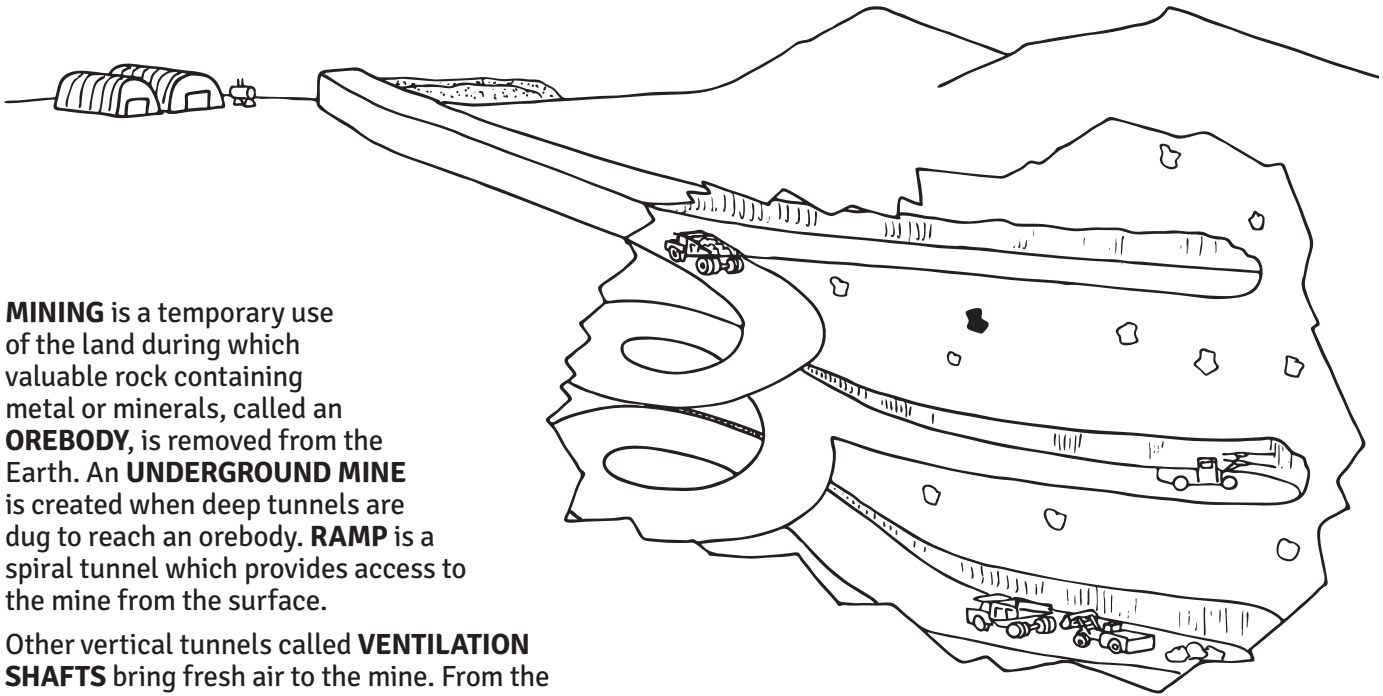


Underground Mining

Nunap ataani Uyarakhiurniq

Can you find the words associated with underground mining?
Words can be found in any direction.

Nanilaqiuq taijuhiq pijutiqaqtuq nunap iluani uyaraktaqniqmik?
Taijuhiuyut naniyaulaaqtut hanimut qunmutlu.

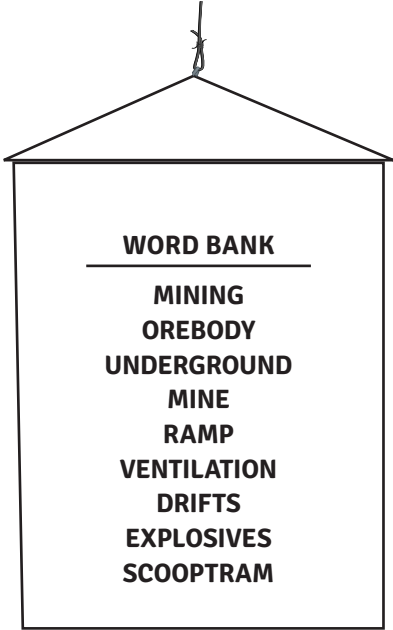
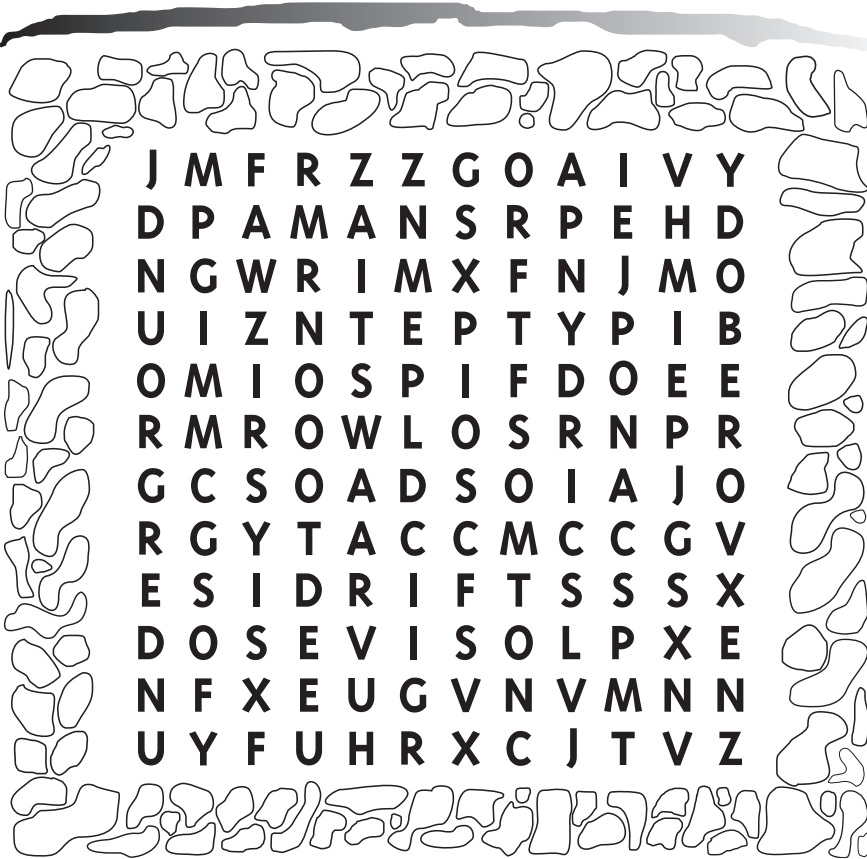


MINING is a temporary use of the land during which valuable rock containing metal or minerals, called an **OREBODY**, is removed from the Earth. An **UNDERGROUND MINE** is created when deep tunnels are dug to reach an orebody. **RAMP** is a spiral tunnel which provides access to the mine from the surface.

Other vertical tunnels called **VENTILATION SHAFTS** bring fresh air to the mine. From the ramp, horizontal tunnels called **DRIFTS** provide access to the orebody. **EXPLOSIVES** break up the rock so it can be picked up by a low, narrow truck with a bucket up front, called a **SCOOPTRAM**. It is driven to the shaft and the ore is dumped into the skip, which brings it to the surface.

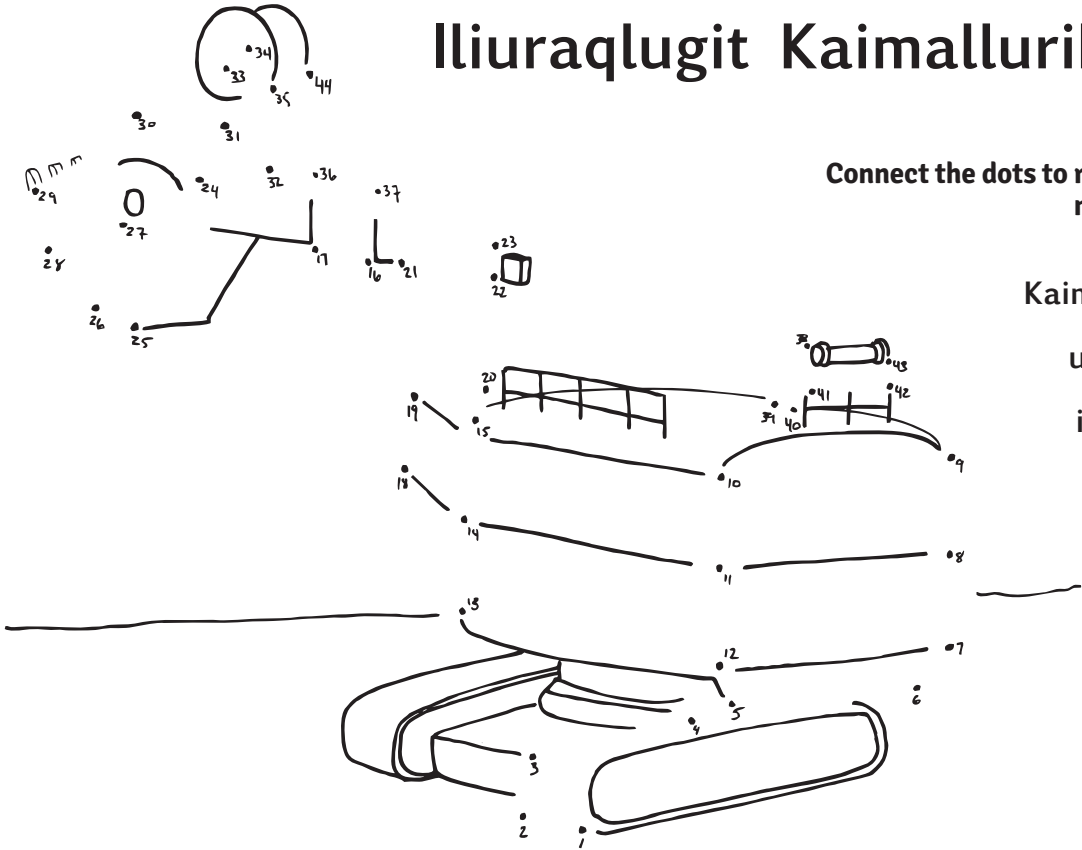
UYARAKHIURNIQ is tadjakaffuk atuqtuq nunanganik talvani ihariagiyauyut uyaqqat piqaqtut havigalik uyaqqatluuniit, taiyauyut **OREBODY-MIK**, piiqtauyut Nunamit. **NUNAP ATAANI UYARAKHIURVINGIT** piliurhimayuq taimaa ilurhaqyuanik algaktauyut tikiutigiami orebody-mik. **IKAARVIUYUQ** kaimalluriktuq algaktauhimayut piinarialqigiami uyarakhiurvingit qaanganit.

Aadlat napangayut algaktauhimayut taiyauyut **ANIAVIQAQTUQ ALGAKHIMAYUT** halumayumik anirhaavikhamik uyarakhiurvinganut. Ikaarviuvikmit, nalruyuq algaktauhimayut taiyauyut **PUPTALLAAQTUQ** tuniyuq piinarialqigiami orebody-mut. **QARAQTAUTIT** ahiruqtiqtait uyarak agyaqtaugiami mikiumit, tuattuq akhaluut qalurautilikmik hivun'nganni, taiyauyut a **QALURAUT**. Agyaqtauyuq algaktauyumit ore-ngalu kuviyauyuq iliuraqvinganut, aggidjauyuq qaanganut.



Connect the Dots

Iliuraqlugit Kaimalluriktunnuat



Connect the dots to reveal this piece of mining equipment.

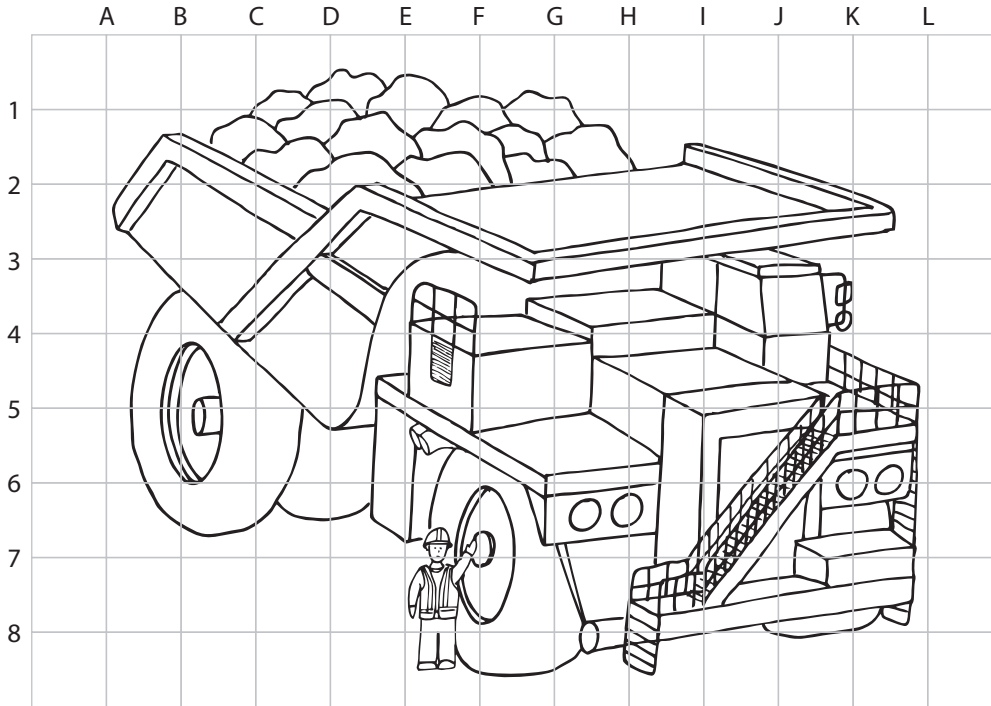
Iliuraqlugit
 Kaimalluriktunnuat
 tautugiaqni
 una atuqtauyuq
 uyarakhiurviup
 ingilrutinginnik.

Draw the Mining Truck

Titigauyaqlugu Uyaraktaut Akhaluut

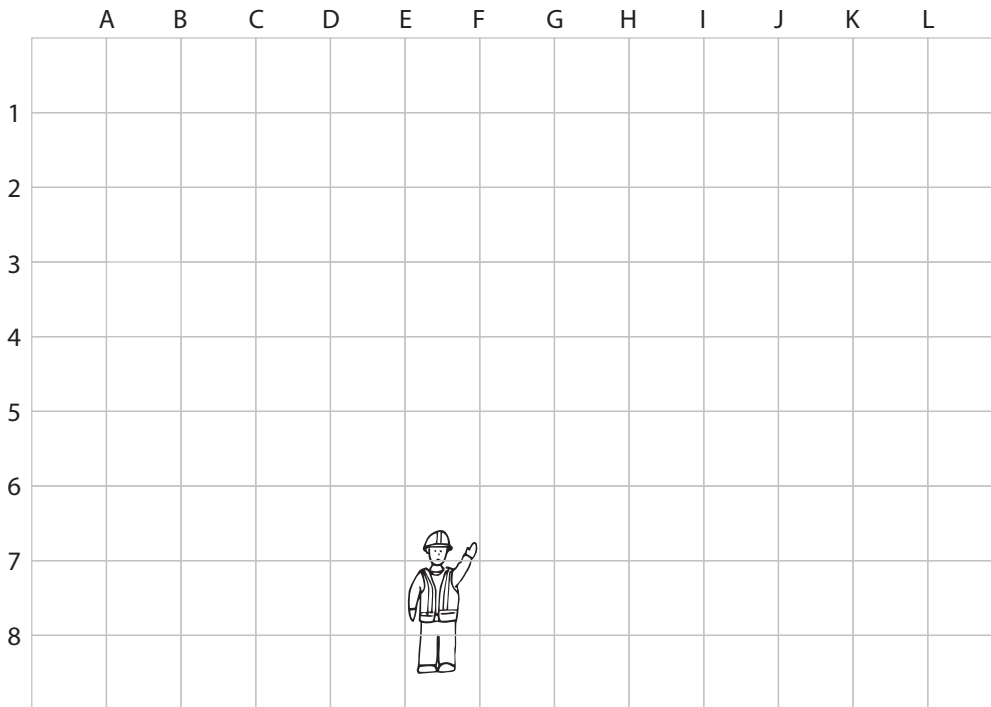
Mining trucks can hold up to 450 tonnes of ore. That is approximately the weight of 250 cars! The tires can be up to 3.5 metres tall. It takes a lot of power to move these trucks. The wheels are so big that there is a motor for each one.

Uyaraktautit akhaluutit uhilaaqtut 450-tons-nik uyaraktaanik. Una uqumainivya 250 akhalutinit! Akhaluagit 3-mit 5-miitamut kigiknigit. Igniquitiqatiariaqaqtut aulajagiagani pigahuut akhaluutit. Akhaluagit agikyuaramik igniquitiqaqtuut atuni akhaluat.



Draw and colour the mining truck using the grid below.

Titirauyaqlugu kalalugulu uyaraktaut akhaluut atuqlugu titirauyaqvikhaq ataani hafuma.

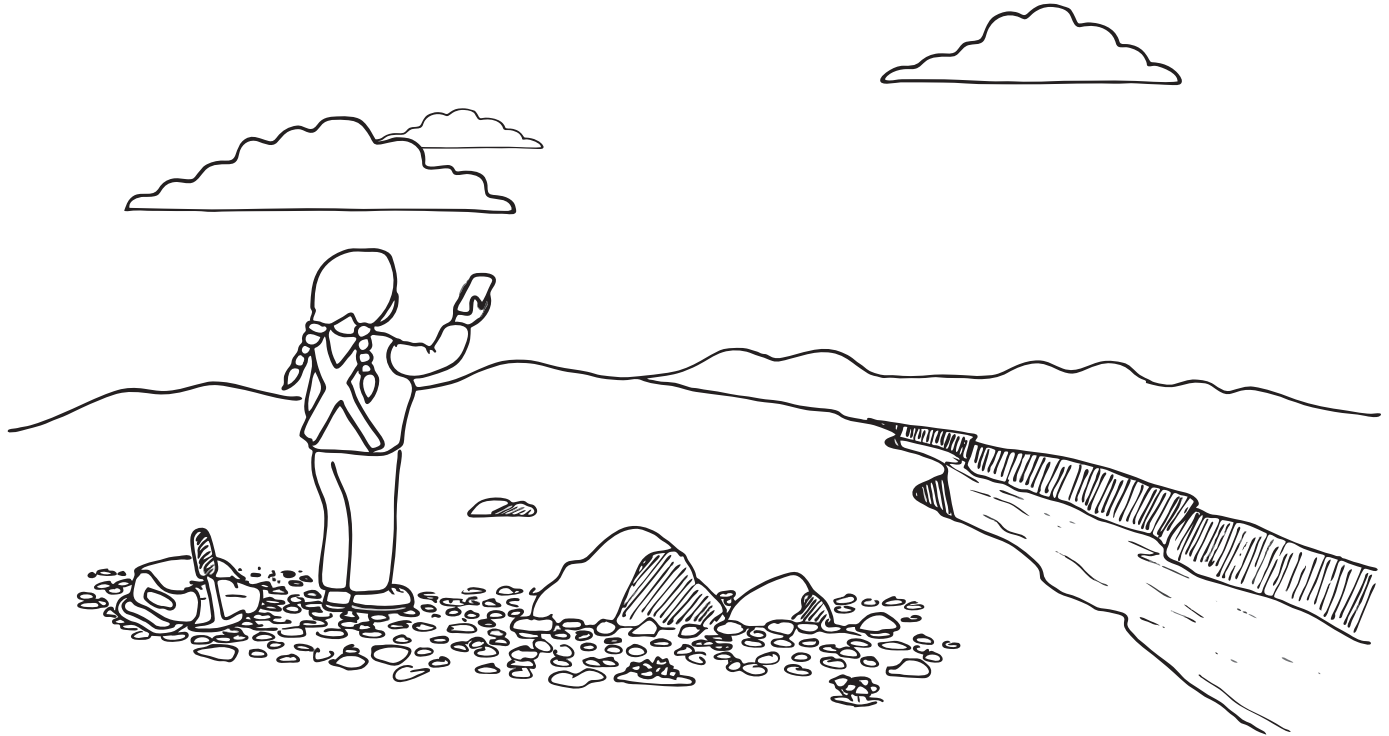


Pakak the Prospector

Pakak Uyarakhiuyuktuq

Pakak is an observant lady. She recently took a prospector course and obtained a prospector license. Learn about Pakak's job as a prospector by filling in the blanks with the correct words from the word bank.

Pakak qun'ngiaqtuayuktuq arnaq. Uyarakhiurniqmut ayuirhaqtuq tuniyaupluni Uyarakhiurniqmut laisinganik. Ayuirhaqlutit Pakaup havaanga uyarakhiurniqmik titiraqlugit titiraqhimangittut ukuningga ihuatqiat tainiit tainiit iliuraqhimayumit.



WORD BANK

ADVENTURE	GOLD	SAFETY GLOVES
DETECTIVE	GPS	TUNDRA
EARTH	ROCK HAMMER	

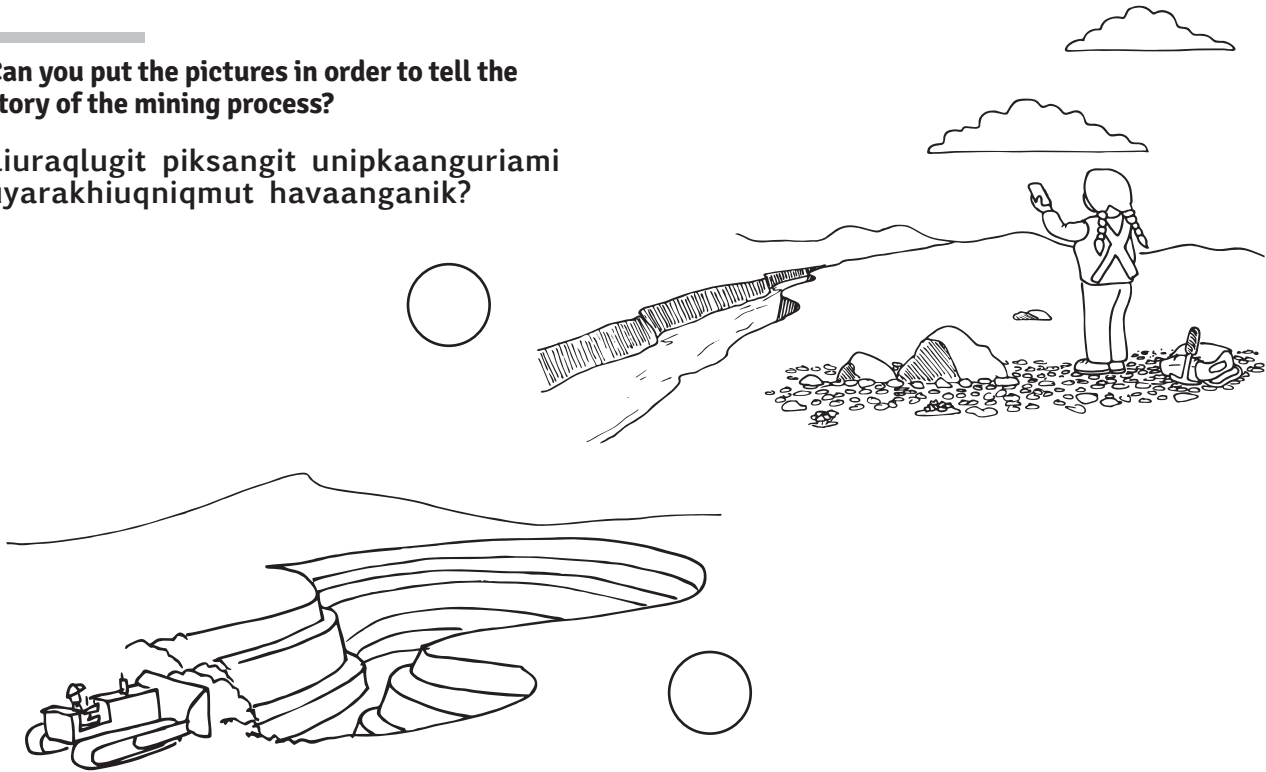
As a prospector, Pakak explores different regions of the _____ , acting as a _____ , trying to discover valuable mineral deposits such as copper, _____ , or even diamonds. She uses her _____ to help find her way on the _____ . She uses her _____ to break rock to collect samples. Pakak always wears her safety boots, safety glasses and _____ to protect her from nature's elements. A day in the life of Pakak the Prospector is always an _____ !

The Mining Process

Uyarakhiurniq Havaanga

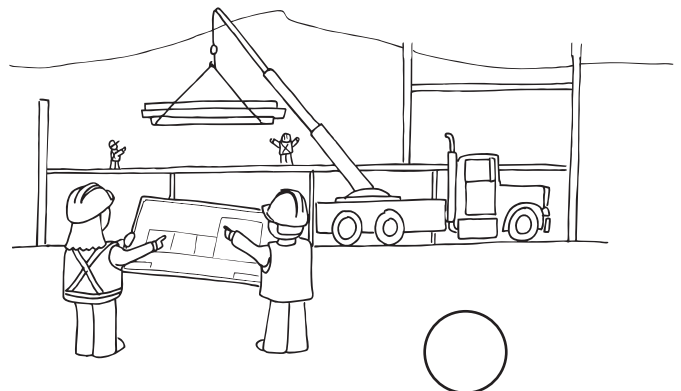
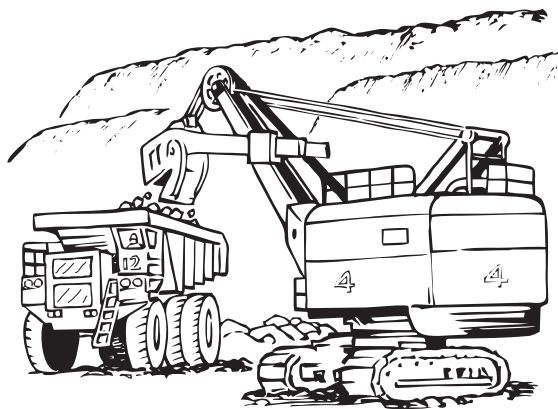
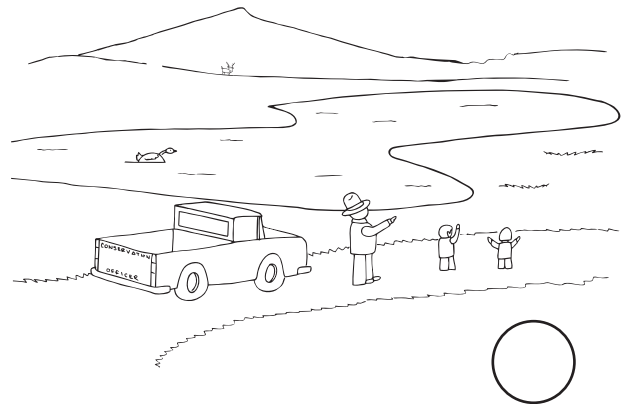
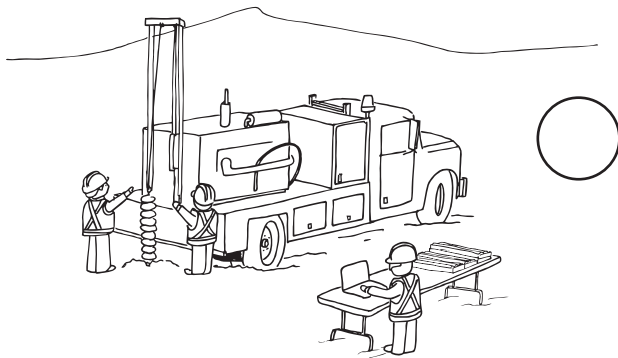
Can you put the pictures in order to tell the story of the mining process?

Iliuraqlugit piksangit unipkaanguriami uyarakhiurniqmut havaanganik?



- A** **LOOKING FOR MINERALS** Geologists do field work to identify different rocks, study satellite images of Earth and use airplanes or helicopters to measure things, such as magnetism in the underlying rocks. | QINIRHIAYUQ FUYAQQATLUUNIIT Ihivriutiyuq maniqqami havaktut ilitarigiamiknik aadlatqiniq uyaqqanik, naunaiyarlugu saatalaitmit piksangit Nunaptiknik aturhutiklu tingmitinik halikaaptanikluuniit naunaiyariamiknik, ukunatitut havigaliknik ataani uyaqqanik.
- B** **EVALUATING A MINERAL DISCOVERY** The company drills holes in the ground to take out long, thin cylinders of rock called cores, which can be studied to find out how much valuable mineral they contain. The company determines how much it will cost to construct and operate the mine, to sell the minerals, to take care of the environment, and whether or not the company will make any money. | NAUNAIYAQTUQ UYAQQANIK PAQITTUT Uyarakhiurvinga ikuutaqpaktut nunammit piiyarhugit takiyunik, tuattut kaimalluriktumit uyaqqanik taiyauyut uuktuutinik, naunaiyaqtait naunaiyariami qanuraaluktut ihariagiyauyuq uyaqqanik piqaqtut. Uyarakhiurvinga naunaiyaqtait qanuraaluktut akiqarniaqtuq piliuriami aulapkaigiami uyarakhiurvingit, niuvrutigiami uyaqqanik, munarigiami avatinga, taimaaluuniit Uyarakhiurvinga maniliurniarumi.
- C** **BUILDING A MINE** Huge diggers scrape away the surface material and explosives are used to blast the solid rock to reach the valuable minerals located close to the surface, or tunnels are dug into the Earth to reach valuable minerals buried deep below the surface. Roads, mineral processing plants, employee housing and offices are also constructed. | UYARAKHIURVILIUQTUT Angiyut algagutit piiyaqtait qaanga qaraqtautiniklu atuqtauyuq ahiruqtiriami naptuyuq uyarak pigiamikni ihariagiyauyut uyaqqat ittut haniani qaanganit, algaktauhimayut algaktauyut Nunamut pigiamiknik ihariagiyauyut uyaqqat hauhimayut ataaniraaluk ataanit qaanganit. Apqutit, uyaqqat havakvinga, havaktut nayurvingit havakvingillu nappaktauyut.

- D MINING AND PROCESSING MINERALS** Miners use drills and explosives to break up the rock. Large scoops and machines move the rock to the processing plant where it is crushed into a fine powder and valuable minerals are separated from the waste rock. | UYARAKHIURNIQ HAVAKTAINNIK UYAQQAT Uyarakhiurviuyut atuqtut ikuutaqmik qaraqtautiniklu ahiruqtiriami uyaqqanik. Angiyut qaluraunit akhaluutiniklu agyaqtait uyaqqat havakvikmut ahiruqtauyut mikhipkaqpiaghugit ihariagiayuyut uyaqqat ahinunngaqhugit iqqakuuyunit uyaqqanit.
- E CLOSING THE MINE** Buildings are removed, pits and tunnels are made safe, the environment is protected from mine waste, and the land is replanted. | UMILIQTAAT UYARAKHIURVINGIT Igluqpingit piiqtauyut, ilurhangillu algaktauhimayut qayangnaipkarhugit, avatinga pipkaiqtaungittut uyarakhiurvingit iqqakunit, nunangalu ihuarhaqtauplugu.
- F RECLAIMING THE LAND** The land is made safe, usable and a natural part of the surrounding environment. | IHUARHAFFAALIQTAIT NUNANNGA Nunanga qayangnaiqtauyuq, atuffaaqtakhaq ilagiyangalu avatinganit.



Minerals for our Bodies

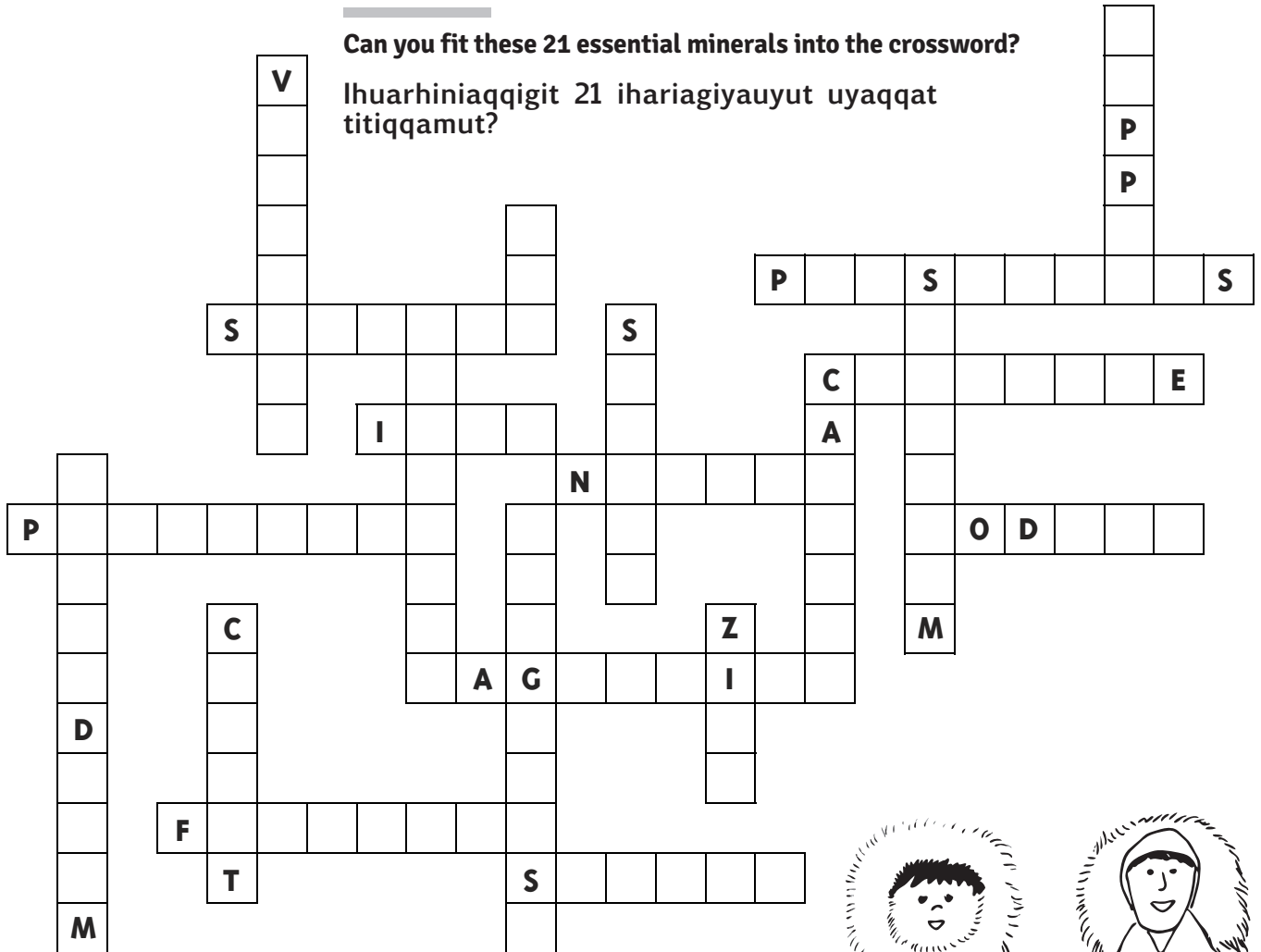
Uyaqqat Timiptiknut

There are 21 essential minerals that our bodies need to live active and healthy lives. The essential minerals in our bodies are the same elements that we mine out of the Earth and are also found in fruits, meats, vegetables, milk and vitamins.

Piqaqtuq 21 ihariagiyaayut uyaqqat timivut ihariagiyaainnik inuugiami hulilukaaqtumik aaniangittumiklu inuugiaptikni. Ihariagiyaayut uyaqqat timiptikni aadjikutariyait uyarakhiuqtaptiknik Nunamit takunnaqtullu ahiani, uuyuni, nauhimayunit, milukmi vaitimanilu.

Can you fit these 21 essential minerals into the crossword?

Ihuarhinaqqigit 21 ihariagiyaayut uyaqqat titiqqamut?



WORD BANK

CALCIUM	IRON	SELENIUM
CHLORIDE	MAGNESIUM	SILICON
CHROMIUM	MANGANESE	SODIUM
COBALT	MOLYBDENUM	SULFUR
COPPER	NICKEL	TIN
FLUORIDE	PHOSPHORUS	VANADIUM
IODINE	POTASSIUM	ZINC



Product Matching

Hunavaluknik Aadjikutariyait

Everything in our world that isn't grown is made using rocks, minerals, metals and petroleum resources that are extracted from the Earth. We use rocks, minerals, metals and petroleum to build homes, electronics, and schools, to generate heat and power, and to make everyday comfort items like shampoo and toothpaste.

Tamaita nunaptikni nauhimangittut atuqtauyut uyaqqanit rocks, uyaqqat, havigalik urhuryuanillu piiqtauyuq Nunamit. Atuqtugut uyaqqanik, uyaqqat, havigalik urhuryuaniklu nappariami iglut, alruyaqtuqtut sikuurviillu, uunaqutiqariami pauwaqariamilu, piliuriamiu atuinnaqtaptiknik nuyarmut uarutit kigutigakhamiklu.

MICA

Ground mica is a mineral used in wallpaper, paint, cosmetics, tiles and roofing – tiny flecks of mica give a sparkling effect.

Nunamit mica uyarauyuq atuqtauyuq iglup haniraanut, mingoot, arnat atuqtakhanganiq, natikhamut iglup qaanganullu – mikkanuat mica-mik qiplarutivaktuq.

HALITE

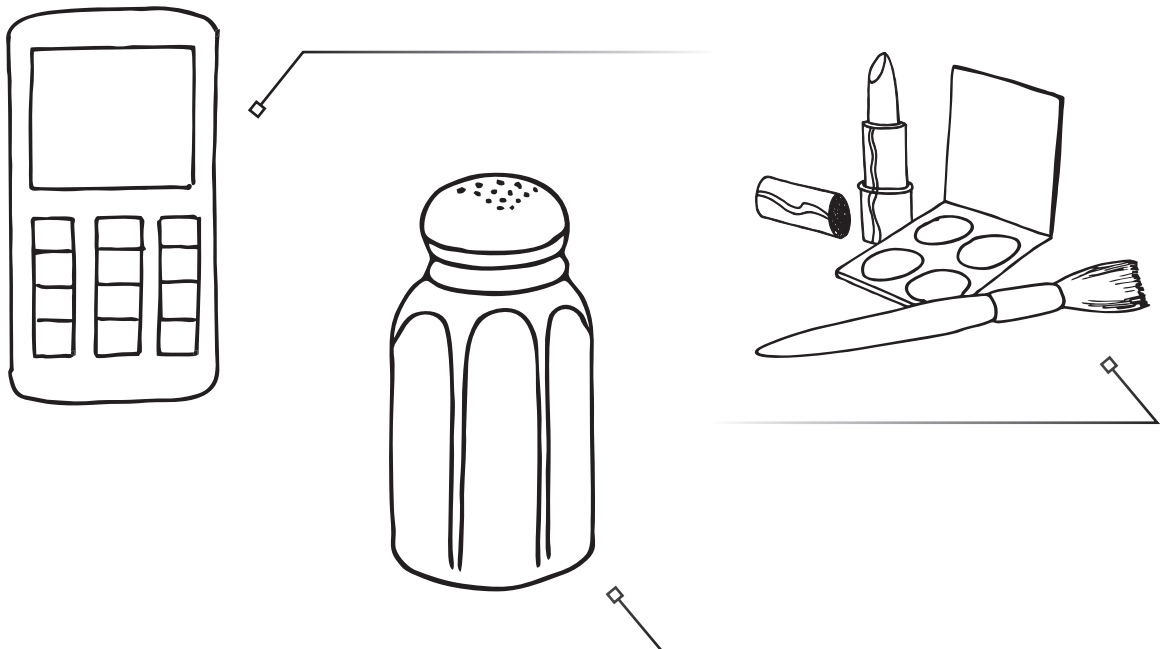
Halite is a mineral that adds flavour to food, melts ice on roads and is also used in the manufacture of glass, fire extinguishers, paint, plastics, synthetic rubbers and cosmetics.

Halite uyarauyuq mamaqutiyauyuq niqinut, mahaktiqhugulu hiku apqutini atuqtauyuq igalaaliurniqmut, qaptirutinik, mingootinik, palaastinik, kalikuniklu ulapanut arnat atuqtakhaniklu.

CHALCOPYRITE

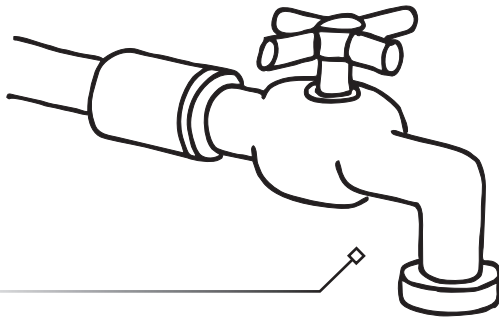
Chalcopyrite is a mineral containing copper. Copper is used in electrical wires, plumbing, coins and kitchen appliances, to name a few.

Chalcopyrite uyarauyuq piqaktuq kannuyamik. Kannuyaq atuqtauyuq alruyanut turhuanut, kannuyanik igavikmilu atuqtanganik, titiraqtuq naunaariami mikiumik.



Which mineral or rock is found in these everyday products?

Klutut uyaqqat uyaralluuniit takunnaqqa atuinnaqtaptiknik?



GOLD | GOLD-mik

Gold is a mineral that is easily shaped and conducts electricity. It is mostly used in jewelry, electronics, dentistry, and medals.

Gold uyarauyuq ayurnaittumik pauwaqtuutigiyauyuq. Atuqtaulluanguinnaqtut pinniqutini, alruyaqtuqtuni, kiguhiqitkunni, aittuutillu.

CALCITE

Calcite is a mineral used in the manufacture of fertilizers, metals, glass, rubber, paint and cement. We also use it to help keep our teeth clean.

Calcite uyarauyuq atuqtauyuq piliuriami nunamut nauhimaqaqtunik, havigalik, hikuliaq, ulapamut, minguat naptuyumiklu pihukvikmut. Atuqtavullu kigutikmut halumariami it.

SPHALERITE

Sphalerite is a mineral containing zinc. Zinc is used to coat steel to prevent corrosion and is found in many common products including batteries, medicines, insect repellent and sunscreen.

Sphalerite uyarauyuq piqaqtuq zinc-mik. Zinc atuqtauyuq iliurariami havigaliknut qattinnaitkutigiami takunnaqtullu amihunik hunavaluit paatuliimilu, havautinik, kikturiiyaut timimullu nanuutauyuq.

What's in your Computer?

Hunaqqa qaritauyaqni?

Did you know we use minerals every day? The products of mining provide many essential items, including highways, electrical and communications networks and housing.

Qauyimavit atuinaqtugut uyaraktaaqaqhanik ublutuaraagat? Hanahimayut uyaraktaanit pipkaiyut amihunik atuqniqaqtunik piqutinik, apqutiniklu, alruyaqtuutit, tuhaumajutinulu, igluliqinikulu.



In the puzzle below, can you find the metals and minerals that make up computers, cell phones and most other high-tech gadgets?

Iviktitaami aaliuyumi, nanilaaqigit havivaluit uyaraktaakhalu qaritauyaliurutit, hivayautinik alruyaqtugitunik amigaitulu aalat nutauniqhat ihuaqtit?

WORD BANK

ALUMINUM	COPPER	GOLD	NICKEL	TIN	ZINC
CHROMIUM	GALLIUM	LEAD	SILVER	TITANIUM	
COBALT	GERMANIUM	LITHIUM	TANTALUM	TUNGSTEN	

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

Gemstone Month








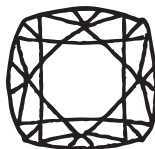

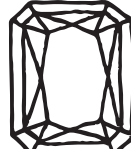
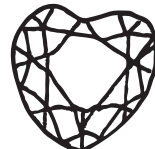

Piniqutikhat Tatqiqhiutini

Gemstones, also called precious or semi-precious stones, are cut and polished minerals used to make jewellery. Certain rocks (lapis lazuli) or organic material (amber) that are not minerals, are also used for jewellery and are therefore often considered to be gems as well. Each month has an official gemstone.

Pinigutikhat, taiyauvaktulu akituyunik akituyvaktuniluniit uyaqanik, kivluqtauyut qivlikhaqhgugilu uyaraktaat piniqutikhat. Ilagit uyaqat (lapis Lazuli-guyut) nunamiutat (amber-yut) uyaraktaakhaugit, atuqtauvaktulu piniqutikhanik taimainiganit ihumagiyauvaktut piniqtuniklu. Atuni tatqiqhiut ilitariyauhimagyumik piniqutiqaqtuq.

Can you unlock the key to figure out which gemstone belongs to each month in the calendar? There are six different popular gem shapes which represent a vowel in this challenge to help you get started.

Akmaqniaraluaqiuk naunairiagani kitu piniqutikhaq ataniganik atuni tatqiqhiunmi? Piqaqtuq siksiniik (6) aalatqiiik takuukhauginaqtunik piniqutikhanik titirauhianik uvani uuktuutauyumi ikayuriaqni aalaqtiriaqniyaaqni.

					
Circle Kaimalluriktuq	Square Cushion Kikkariktuq Akit	Marquise Marquise	Emerald Emerald	Heart Uumataa	Baguette Baguette
					
A	E	I	O	U	Y

January Ubluqtuhirvia	_____	_____	_____	_____	_____	_____	_____	July Taaqhivaliavia	_____	_____	_____	_____	_____	_____
February Iidjurvia	_____	_____	_____	_____	_____	_____	_____	August Niqliqivik	_____	_____	_____	_____	_____	_____
March Qiqailruq	_____	_____	_____	_____	_____	_____	_____	September Apitilirvia	_____	_____	_____	_____	_____	_____
April Qittiqaautijjuq	_____	_____	_____	_____	_____	_____	_____	October Tattiarnaqtuq	_____	_____	_____	_____	_____	_____
May Qiqaijaluarvia	_____	_____	_____	_____	_____	_____	_____	November Hikutirvia	_____	_____	_____	_____	_____	_____
June Imaruqtirvia	_____	_____	_____	_____	_____	_____	_____	December Ubluiqtirvia	_____	_____	_____	_____	_____	_____

WORD BANK

AMETHYST AQUAMARINE CITRINE DIAMOND EMERALD GARNET
OPAL PEARL PERIDOT RUBY SAPPHIRE TURQUOISE

Hidden Word Sudoku

Iirhimayuq Tainiit Sudoku

Fill in the grid so that every row, every column and every 3 x 3 box contains each of the nine numbers below ONLY ONCE.

Iliuraqlugu tamaita titiqqami taimaa tamaita kikkariktumik piqaqtuq tamaita 3 x 3 qiuqutinga piqaqtuq tamarmik 9nik nampanik ATAUIIINAQMI ATUQTAYUT.

		3	6	8	4			9
4	5		7			2		3
	8	9			2		1	4
3	9		4		6	8		
6			1	9		4	3	
2		1		7		5	9	
			2	6		9	4	5
	6	4		3	8			7
5	1	2			7		6	

What are the two hidden words in the diagonal from top left to bottom right?

Hint: This term describes the endless processes that create, change, destroy and recreate the three main groups of rocks – igneous, sedimentary and metamorphic.

1 = R 4 = K 7 = B
 2 = L 5 = O 8 = E
 3 = Y 6 = A 9 = C

Hunaukmata malruuk iirhimayut tainiit uvingayumik qaanganit haumikmi ataanut taliqpianganit?

Ikeyuutaut: Una taininnga naunnaiqtaa nungulaittuq havaaq piliuqtuq, aadlanguqtuq, ahiruqtiqtuq piliuffaarhugulu pingahuuyut iliuralluarutinganut uyaqqanut- qaumayuq, marluinnaq unalu uunaktitauyut uyaqqanik.

Careers

Havaat

A career in mining is more than you think! There are over 120 different careers in the mining industry. Discover a world of opportunities.

Havaaq uyaraktaqviki agitqiyag ihumagiyaqnit! Piqaqtuq avatqumayunik 120 havaakhat uyaraktaqtuni. Iliturijavat amitaituraaluit havaakhat.



Can you unscramble the careers described below?

Ihuahalaaqigit havauhiuyut uqautauyut ataani?

SCRAMBLE Hiamayaklugit

1. LOOSEGGIT

2. EINM ENIRNEEG

3. CRETILNIACE

4. OADMIDN IDLRERL

5. YETFSA TSRNEPICO

6. REANLVMOINTNE ICESTSTNI

7. LEBSTRA

8. EALLTGURISMT

9. EIETQPUNM ROTEORPA

10. EAHVY UYDT NIMCEHAC

11. PUTRMECO ATSESIPLIC

12. ORUWSAEEH OPNRES

13. UNESR

CAREER Havaaq

Evaluates the geological aspects of mine sites | Naunaiyaqlugit nunauyut uyaraktaqviki igluqpaqavikni

Designs plans for mine sites and mining operations | Titirauyaqlugit upalugaiyautit uyaraktaqvikhamik igluqpaqavikhamik

Repairs a variety of electrical equipment | Ihuqutauyug aalatqiinik alruyaqtutunik piqutinik

Uses a drill with a diamond tipped bit to bore deep holes | Atuqtuq ikutaqmik hitiyumik nuvuqaqtumik ikutariagani unugaaluk nunap iluanut

Visits the mine to ensure safe working conditions | Pulaqhugu uyaraktaqvik aaniqnainiga nalunairumaaqtuq

Ensures that the mine operations follow environmental guidelines | Uyaraktaqvik naunaiyaqlugu malitiaqmagaa avatiliqinikut maliruagakhanik

Blasts large rocks and other surfaces for mining | Qagaqtitaiyug uyaragaaluknik ahiiniklu nunanik uyaraktaqviiyuaagani

Supervises the extraction of metals from ores | Munaqhiyi ahivainiginik havivaluit uyaraktaanit

Operates equipment used in daily mine operations | Atuqtuq piqutinik atuqtauyunik ublutuaraagat uyaraktaqviki

Repairs and maintains heavy duty equipment | Ihuqhahi munarivlugilu agiyut akhalutiraaluit piqutit

Maintains and operates robots and computer networks | Munagivagait atuqhugilu inuguat qaritauyalu ihuqutauyut

Ensures all the materials are well organized, documented, and stored accurately in all climates | Naunaiqtaa tamaita tamayat ihuarhaqhimayut, titiraqtauyut tutuqtauyullu ihuaqtumik humaangittuq anuringa

Provides medical care and promotes wellness to employees | Tuniyug munaqhiliqiyauyut atuliqtitauyuqlu nakurudjutingit havaktut



WORD BANK

BLASTER

COMPUTER SPECIALIST

DIAMOND DRILLER

ELECTRICIAN

ENVIRONMENTAL SCIENTIST

EQUIPMENT OPERATOR

GEOLOGIST

HEAVY DUTY MECHANIC

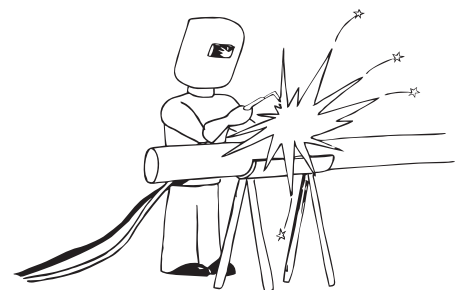
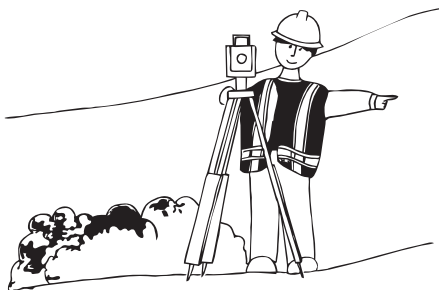
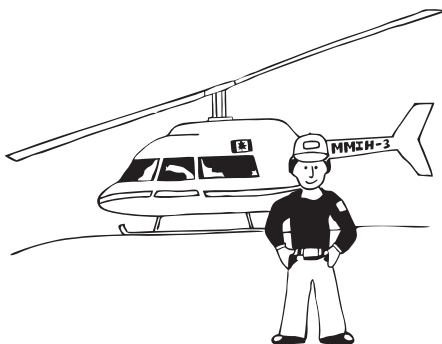
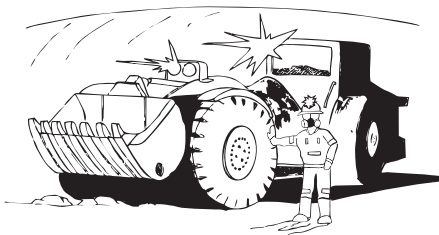
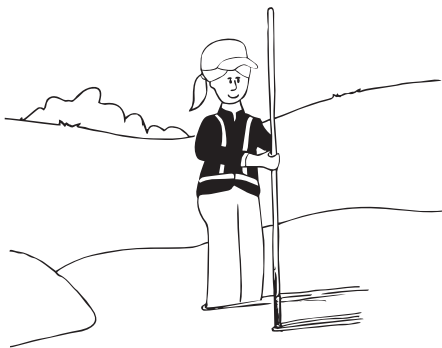
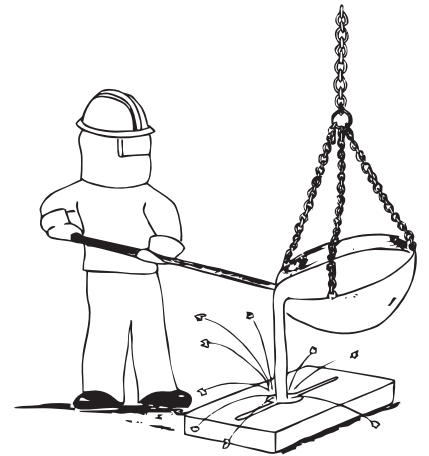
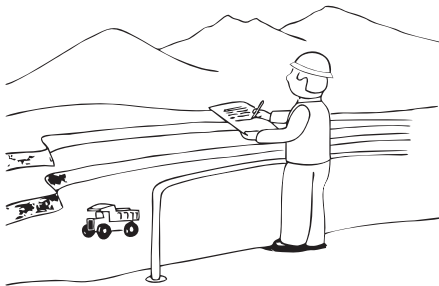
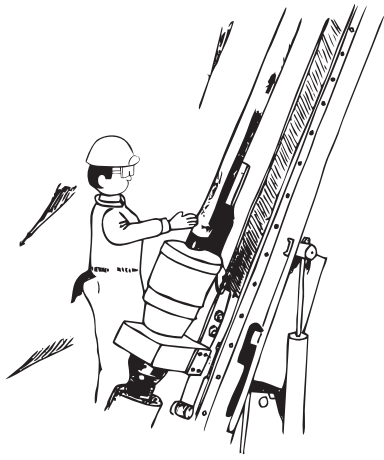
METALLURGIST

MINE ENGINEER

NURSE

SAFETY INSPECTOR

WAREHOUSE PERSON



Symbol Sudoku

Naunaitkutaq Sudoku

Fill in the grid so that every row, every column and every 3 x 3 box contains each of the nine symbols below ONLY ONCE.

Iliuraqlugit tamarmikpiaq, tamaita 3 x 3 qiuqutinga piquqtuq tamarmik 9nik nampanik ATAUHIINAQMI ATUQTAYUT.

SYMBOLS NAUNAITKUTAT



Safety Glove
aniriipkutit
pualuuk



Gold Bar
Gold
Uyaraq



Diamond
Diamond



Scoop Tram
Qaluraut



Safety Boot
aaniriipkutik
kammak



Hard Hat
hitiyuq
nahaq



GPS
GPS



Microscope
Qun'ngiarut
Mikkarnik



Head Lamp
Niaqurni
Atuqtauuyuq
Qulliq

Periodic Table Spelling Bee

Atuqtaunginnaqtuq Tainiit Qanuqtut Titiraqhimayut

Elements are the basic building blocks of everything around us. They can be found either in their pure form or chemically combined with other elements to make compounds. Minerals are elements or compounds that occur naturally in the Earth's crust. Rocks are mixtures formed of minerals.

Ilagiyangit ayurnaittut piliurningga hunavaluknik uvaptikni. Takunnaqtut ahiruqtitautinnagit uunaqtunikuuniit atuqtauyut aadlanut ilagiyanganik ilaliutigiami. Uyaqqat ilagiyayut ilaliutigiamilu pivaktuq Nunaup qaanganit. Uyaqqat aadlatqinguyut piliurhimayuq uyaqqamit.

How many words can you spell from the 114 element symbols? Challenge yourself to make three-letter, four-letter, five-letter and even six-letter words.

Qaffinik taininik qanuqtut titiraqhimava uumannga 114 ilagiyanginnit naunaitkutat? Akimanahuarlutit piliuqlutit pingahunik titiraqhimaninnga, hitamanik-titiraqhimaninnga, tallimanik-titiraqhimaninnga 6-titiraqhimaninnga words.

Hydrogen H																	Helium He
Lithium Li	Beryllium Be											Boron B	Carbon C	Nitrogen N	Oxygen O	Fluorine F	Neon Ne
Sodium Na	Magnesium Mg											Aluminum Al	Silicon Si	Phosphorus P	Sulfur S	Chlorine Cl	Argon Ar
Potassium K	Calcium Ca	Scandium Sc	Titanium Ti	Vanadium V	Chromium Cr	Manganese Mn	Iron Fe	Cobalt Co	Nickel Ni	Copper Cu	Zinc Zn	Gallium Ga	Germanium Ge	Arsenic As	Selenium Se	Bromine Br	Krypton Kr
Rubidium Rb	Strontium Sr	Yttrium Y	Zirconium Zr	Niobium Nb	Molybdenum Mo	Technetium Tc	Ruthenium Ru	Rhodium Rh	Palladium Pd	Silver Ag	Cadmium Cd	Indium In	Tin Sn	Antimony Sb	Tellurium Te	Iodine I	Xenon Xe
Caesium Cs	Barium Ba	LANTHANIDES *	Hafnium Hf	Tantalum Ta	Tungsten W	Rhenium Re	Osmium Os	Iridium Ir	Platinum Pt	Gold Au	Mercury Hg	Thallium Tl	Lead Pb	Bismuth Bi	Polonium Po	Astatine At	Radon Rn
Francium Fr	Radium Ra	ACTINIDES **	Rutherfordium Rf	Dubnium Db	Seaborgium Sg	Bohrium Bh	Hassium Hs	Mtnerium Mt	Darmstadtium Ds	Roentgenium Rg	Copernicium Cn	Ununtrium Uut	Flerovium Fl	Ununpentium Uup	Livermorium Lv	Ununseptium Uus	Ununoctium Uuo
		Lanthanum La	Cerium Ce	Praseodymium Pr	Neodymium Nd	Promethium Pm	Samarium Sm	Europium Eu	Gadolinium Gd	Terbium Tb	Dysprosium Dy	Holmium Ho	Erbium Er	Thulium Tm	Ytterbium Yb	Lutetium Lu	
		Actinium Ac	Thorium Th	Protactinium Pa	Uranium U	Neptunium Np	Plutonium Pu	Americium Am	Curium Cm	Berkelium Bk	Californium Cf	Einsteinium Es	Fermium Fm	Mendelevium Md	Nobelium No	Lawrencium Lr	



THREE LETTERS
PINGAHUT
TITIRAQHIMANINNGA

C At

FOUR LETTERS
HITAMAT
TITIRAQHIMANINNGA

K I Te

FIVE LETTERS
TALLIMAT
TITIRAQHIMANINNGA

S Po O N

SIX LETTERS
6
TITIRAQHIMANINNGA

Cl O U Dy

Geology Word Search

Nunaliqinikut Taijuhiqnik Qiniqhiajut

Geologists tell us the story of the Earth and help find important rock, mineral, metal and petroleum resources.

Nunaliqiyit unipkaaqtut Nunaqyuamik ikayuqhutiklu nanihiyaagani atuqniqaqtunik uyaqani, uyaraktaakhanik, havivaluknik, uqhuqyuavaluknilu ihuagutinik.



GEOLOGY: Geology is the study of the Earth. | **NUNAMIK NAUNAIYAININNGA:** Nunamik naunaiyaininnga naunaiyaqtut Nunaptiknik.

ELEMENTS: Elements are naturally occurring pure substances. They make up all matter, including minerals. | **ILAGIYANGIT:** Ilagiyangit piliqtuq hunavalut. Piliuqtait tamaita hunavaluknik, hapkuallu uyaqqat.

MINERALS: Minerals are made of elements that occur naturally. | **UYAQQAT:** Uyaqqat piliurhimayut ilagiyangit piliqpektut inmiknik.

ROCKS: Rocks are made up of two or more minerals. | **UJARAK:** Uyaqqat piliurhimayuq malruuknik amihunikluuniit uyaqqanik.

SEDIMENTARY: One of three types of rocks. Sedimentary rocks are formed from the deposition of rocks, minerals or organisms. | **MARLUK:** Atauhiq pingahunit aadlatqiinik uyaqqanik. Marluk uyaqqat piliurhimayuq piyarninnganit uyaqqanit, uyaqqat imarmiumamilluuniit.

IGNEOUS: One of three types of rocks. Igneous rocks are formed through cooling of

lava or magma. | **QAUMAYUT:** Atauhiq pingahunit aadlatqiinik uyaqqanik. Qaumayut uyaqqat piliuqtauyut niglaqtiqtauplugit uuminnga uunaqpiiaqtuq kuviyuq kingingniqmit qaumayunilluuniit uyaqqanit.

METAMORPHIC: One of three types of rocks. Metamorphic rocks are created by the transformation of existing rock through heat and pressure. | **UUNAKTITAUUYUT UYAQQANIK:** Atauhiq pingahunit aadlatqiinik uyaqqanik. Uunaktitauyut uyaqqanik piliurhimayut aadlangurninnga uyaqqat uunaqtiqtauplugit akhuurutaupkarhugilluuniit.

Find the geology words in the word search.

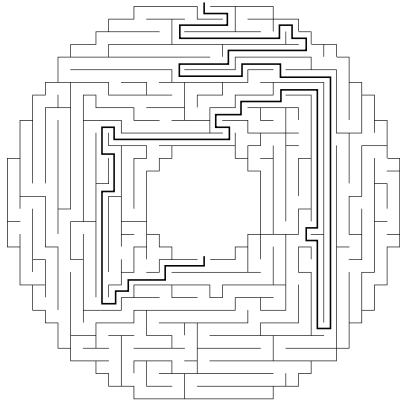
Nanilugit nunaliqinikut taijuhiqnik uvani taijuhiqnik qiniqhiajutini.

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

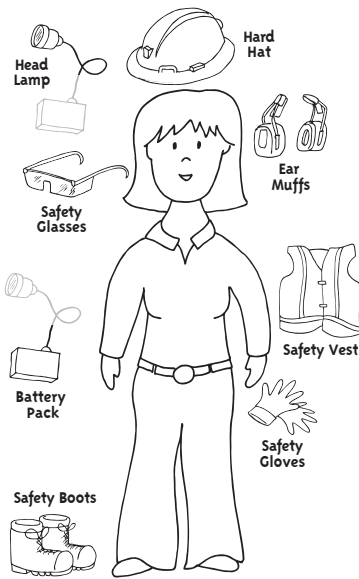
Answers

Kiudjutingit

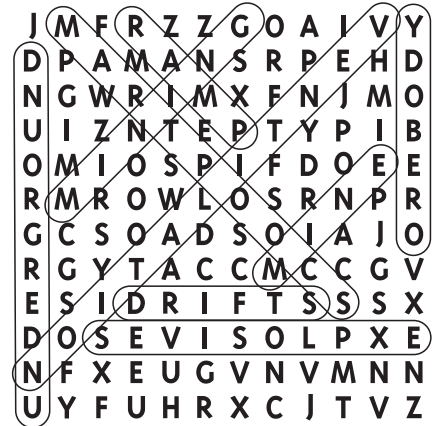
Navigate to the Surface



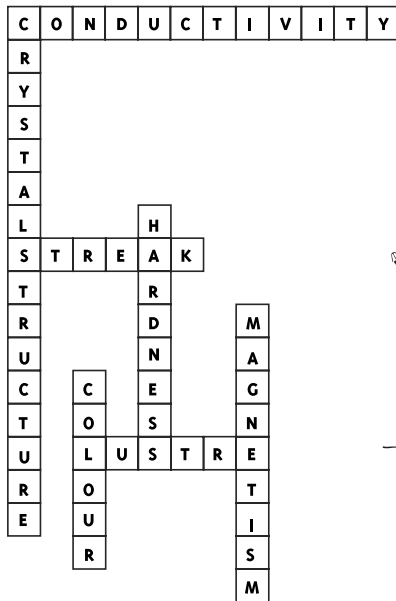
Safety Dress Up



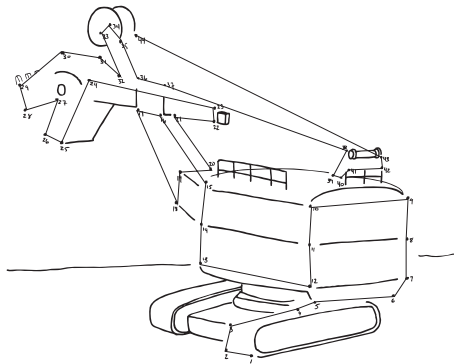
Underground Mining



Mineral Properties



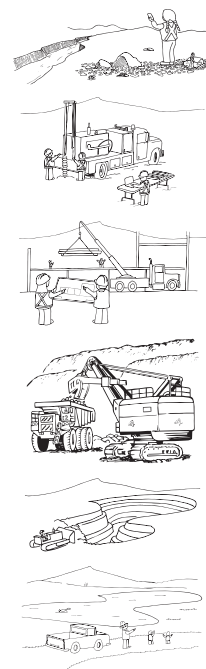
Connect the Dots



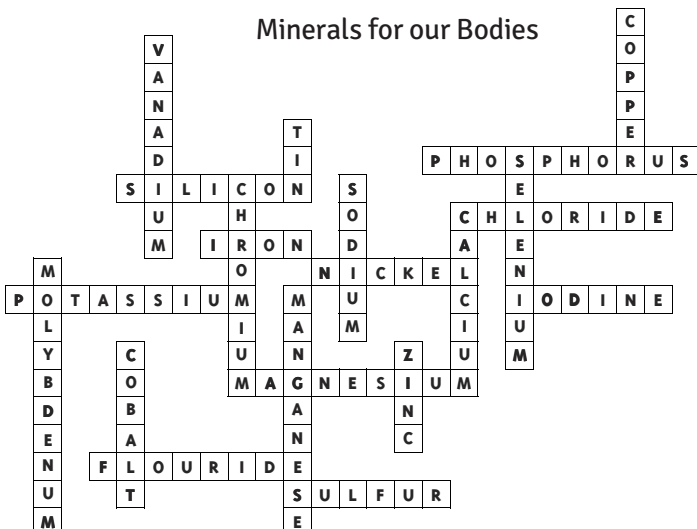
Pakak the Prospector
IN ORDER OF USE:

- EARTH
- DETECTIVE
- GOLD
- GPS
- TUNDRA
- ROCK HAMMER
- SAFETY GLOVES
- ADVENTURE

The Mining Process



Minerals for our Bodies





Compliments of

