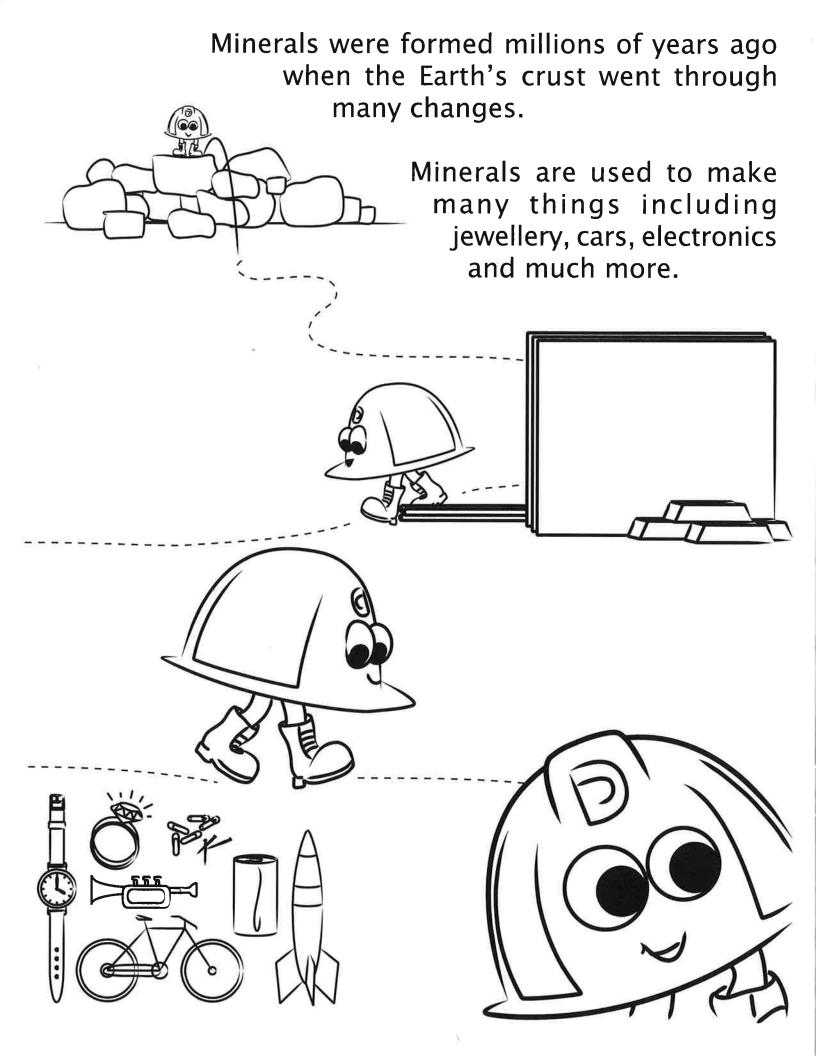
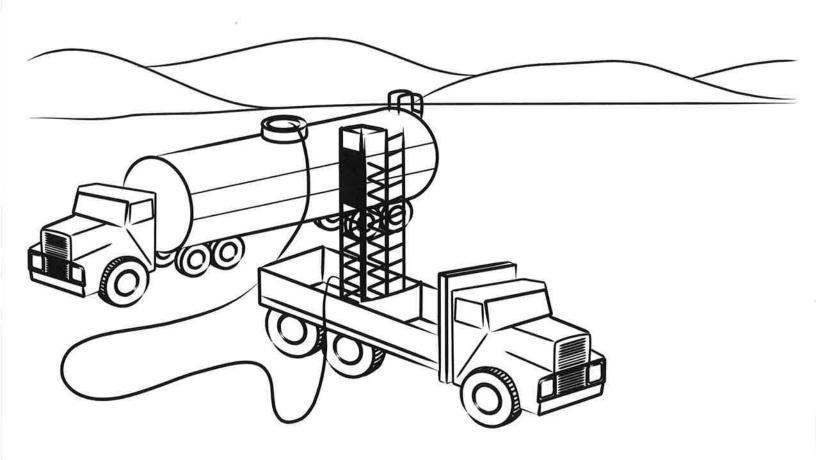


Hello, my name is P.D. and I am going to take you on an adventure that will help you answer the question, "What is a Mine?" LET'S GO!

PLACER DOME INC.



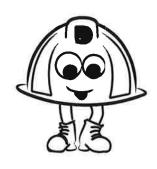


Before mining can begin, we need to know where the minerals are located underneath the earth's surface.

The people who study rocks and minerals are called geologists. Geologists rely on drills to reach minerals underneath the earth's surface. Once geologists find minerals, a sample is taken from the earth. This sample is brought to the laboratory where it is tested.

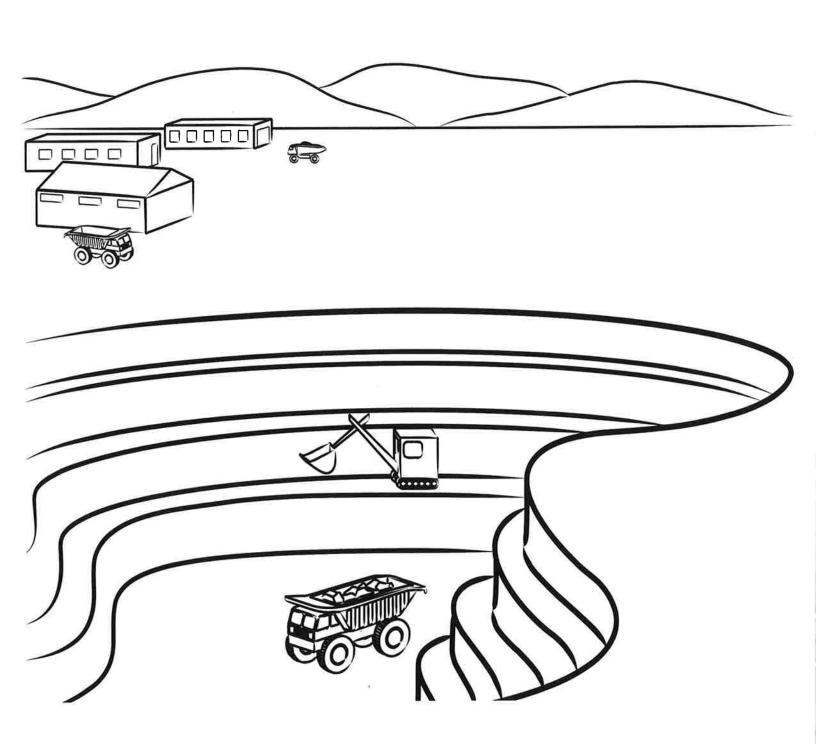
Once a company decides to build a mine, many things need to be decided and organized. Geologists, engineers and many other specialists are all involved in this stage of the mining process.



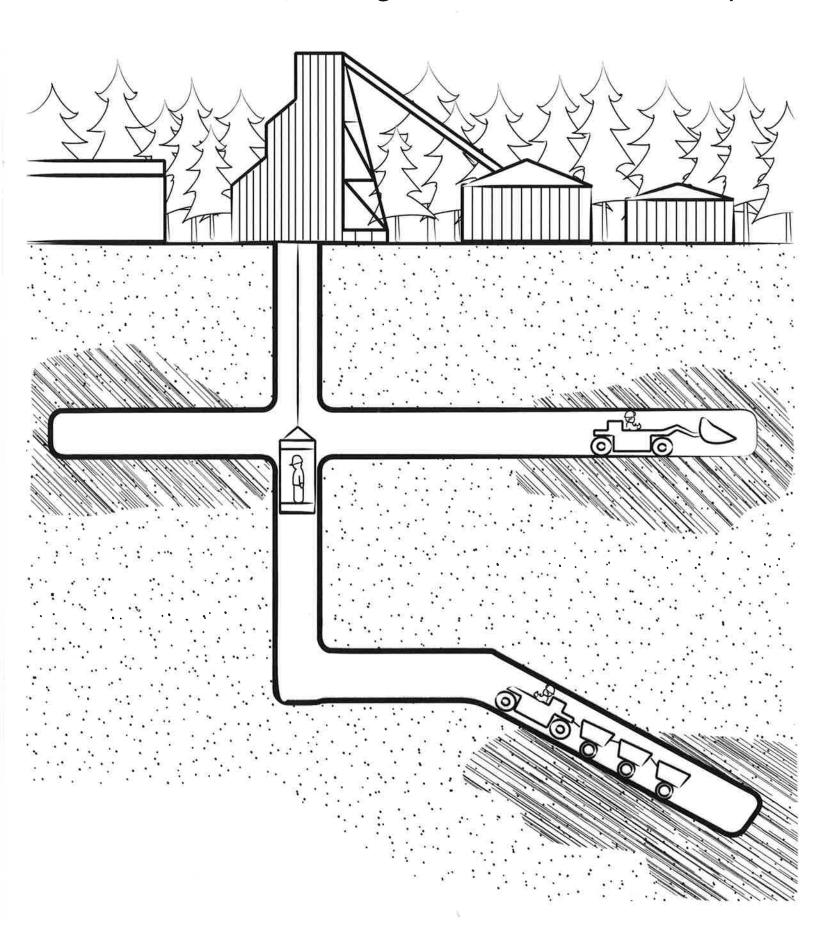


Hundreds of people are needed to build a mine. The construction of a mine includes building offices and repair shops, as well as the areas where the ore is dug out of the ground.

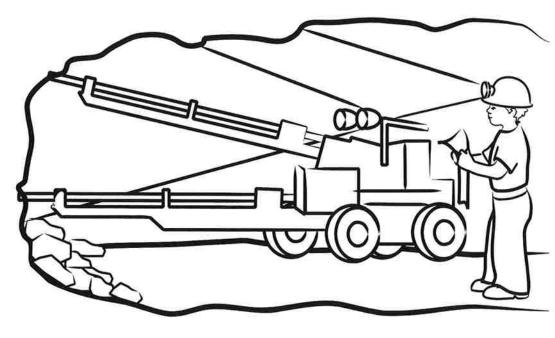




Mines that look like the one here are called open pit or surface mines. Rocks and minerals are dug out from the surface at these mines. This type of mine is called an underground mine. When valuable rock or mineral deposits are located far beneath the earth's surface, underground mines are necessary.

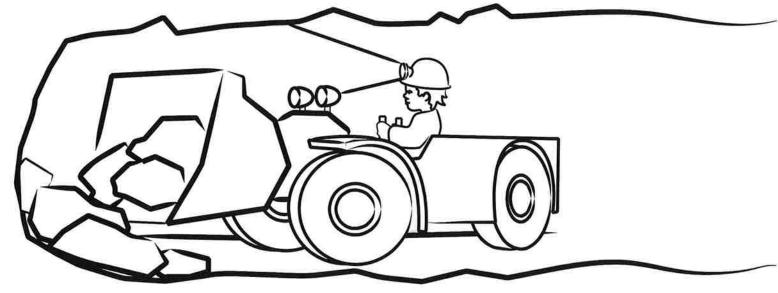


Once the mine is built, we can start to take minerals out of the earth. At an underground mine, the first step is to blast tunnels. These tunnels are called stopes.

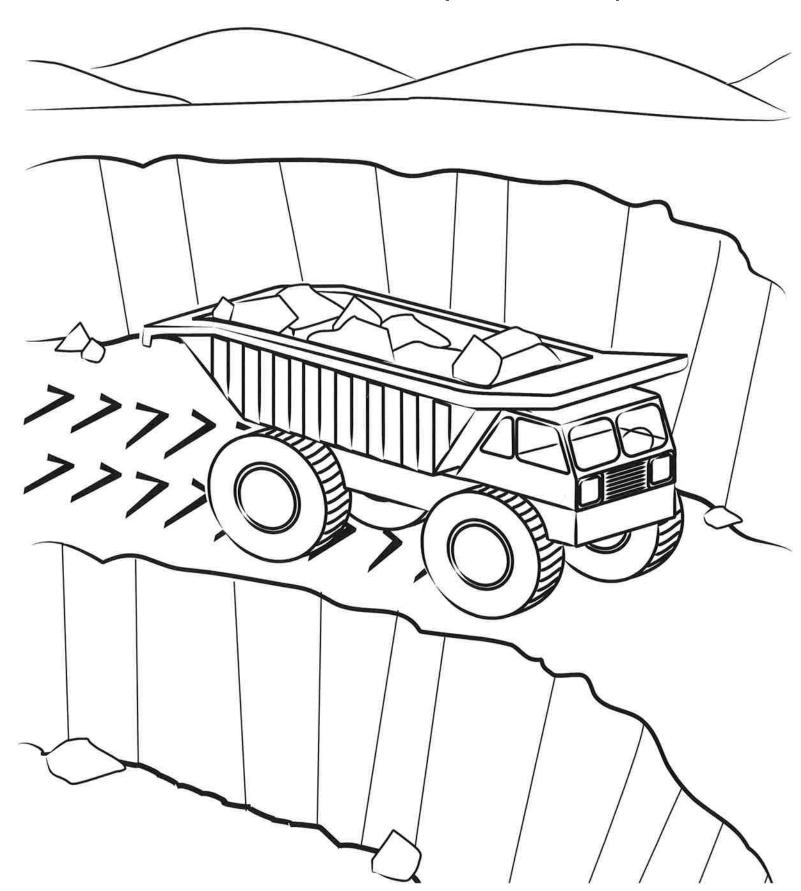


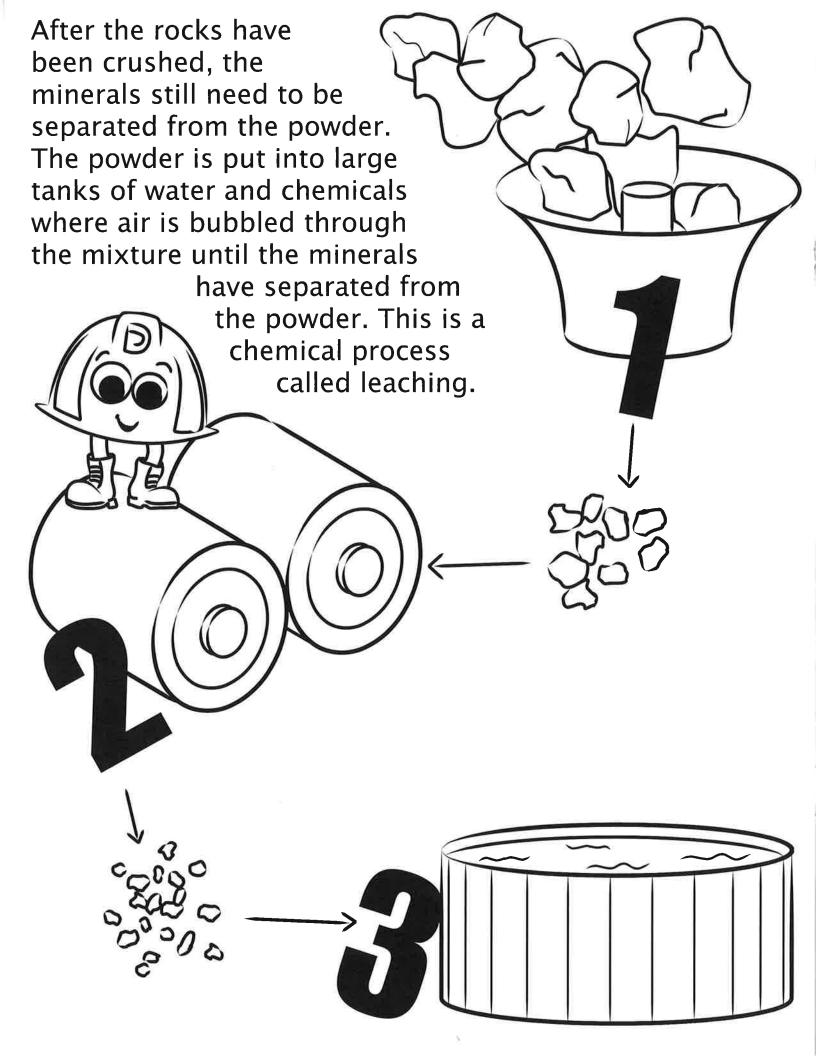
After blasting, loose rocks are scooped up by machines and brought to the surface in an elevator called a skip.



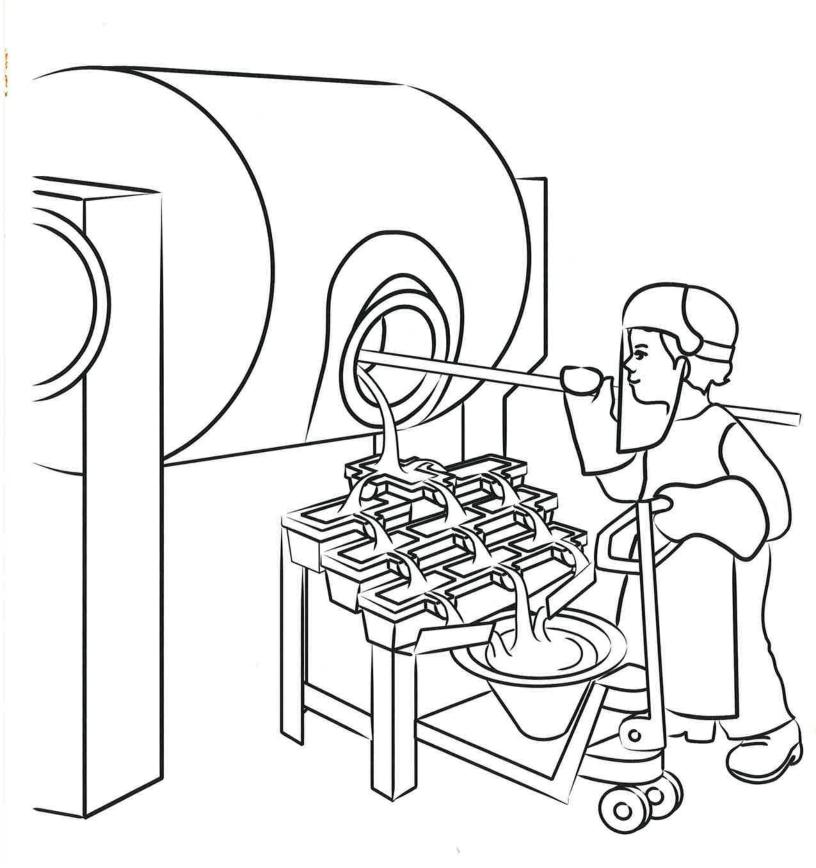


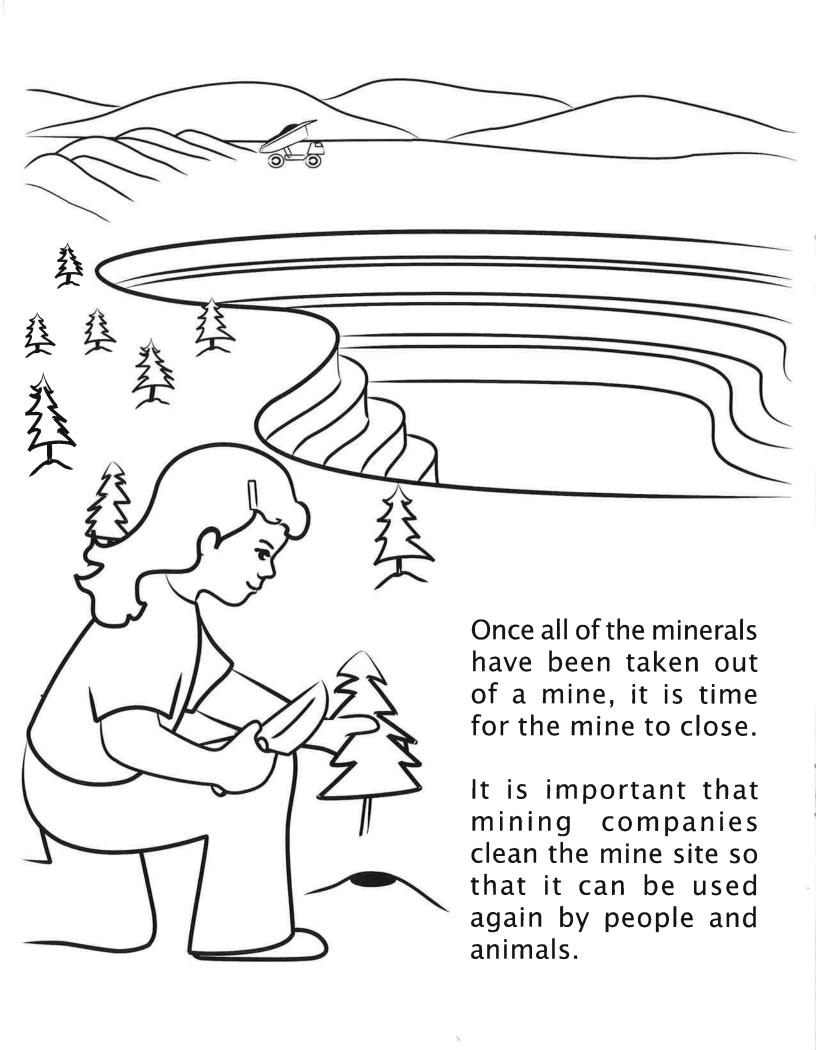
Once the rocks are removed from the earth, they are transported by truck, or sometimes by conveyor belt, to a crushing machine where the rocks are made smaller and smaller until they become a powder.

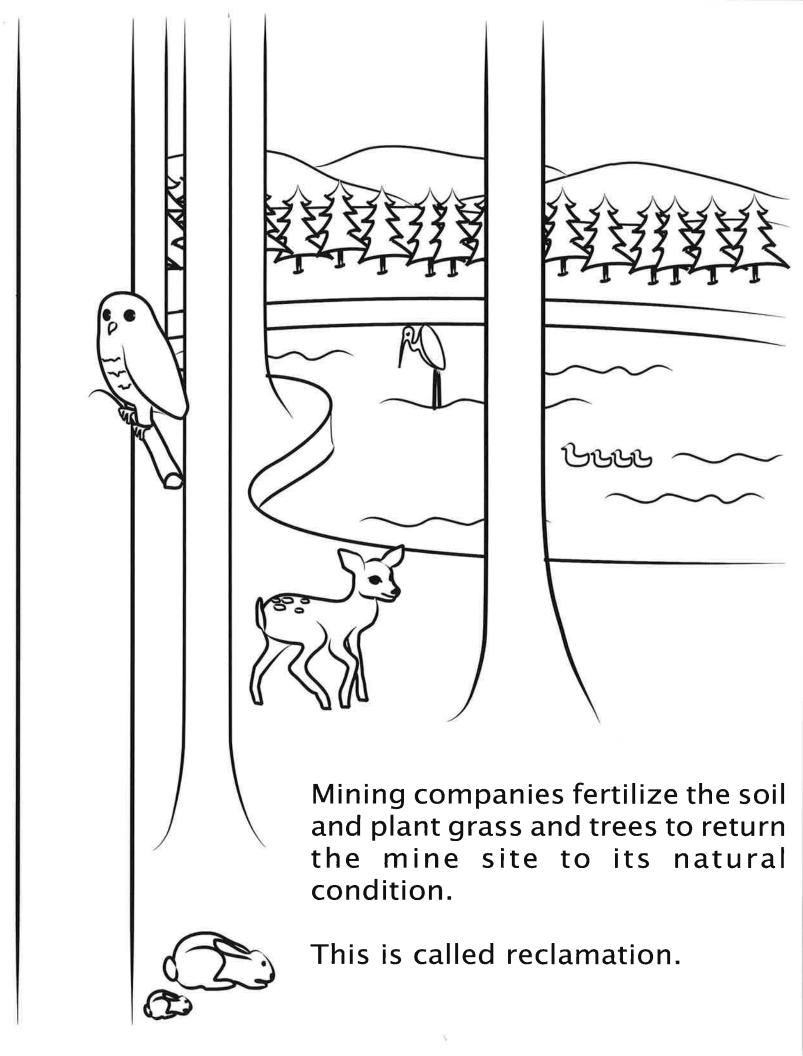




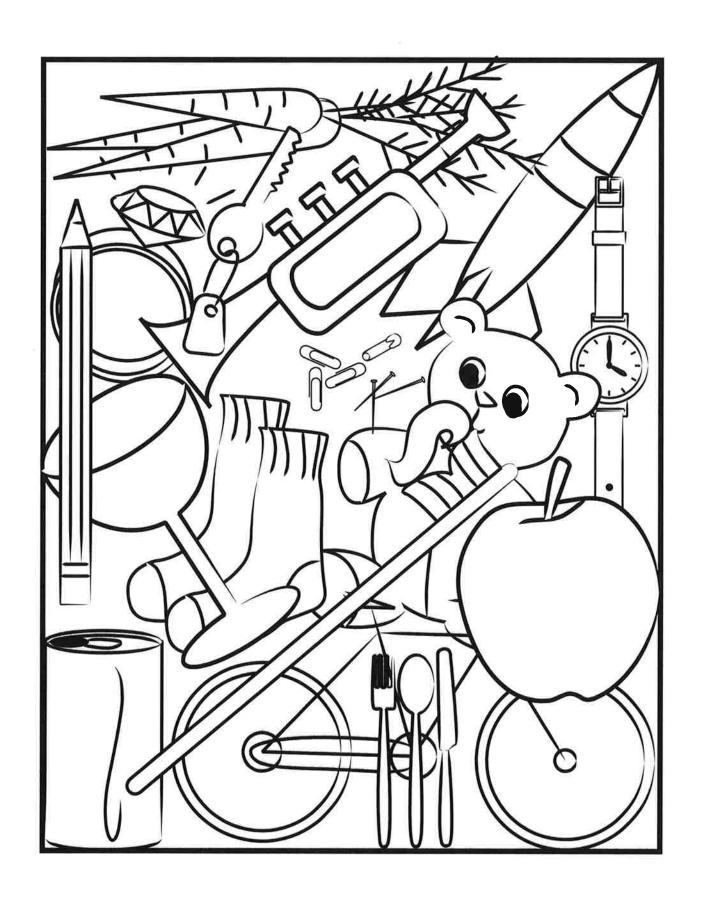
The minerals are then placed into a big furnace where they are melted. Once the minerals are melted, they are poured into moulds where they cool and harden into bars. These bars are worth lots of money, especially if the mineral is gold!

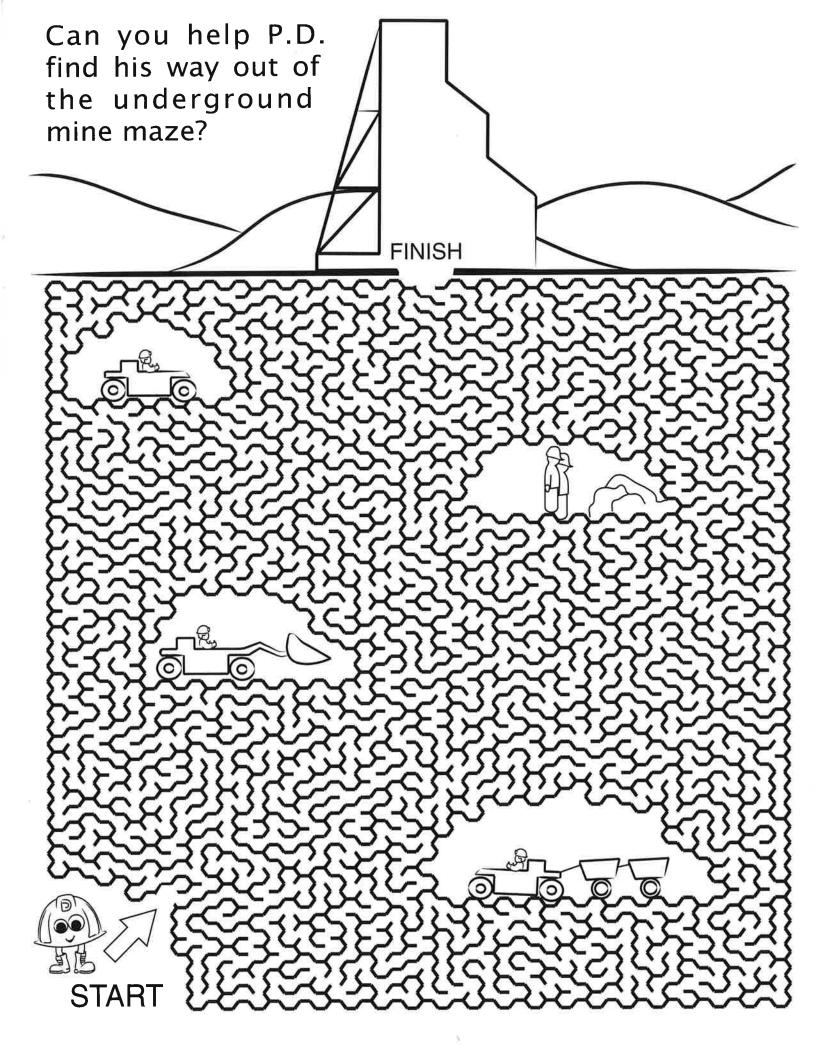






Now that you know more about minerals and mining, try to find all the things in this picture that were made using minerals.





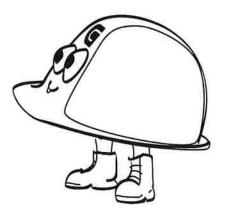
WORD SEARCH

CAN YOU FIND THE LOST WORDS?

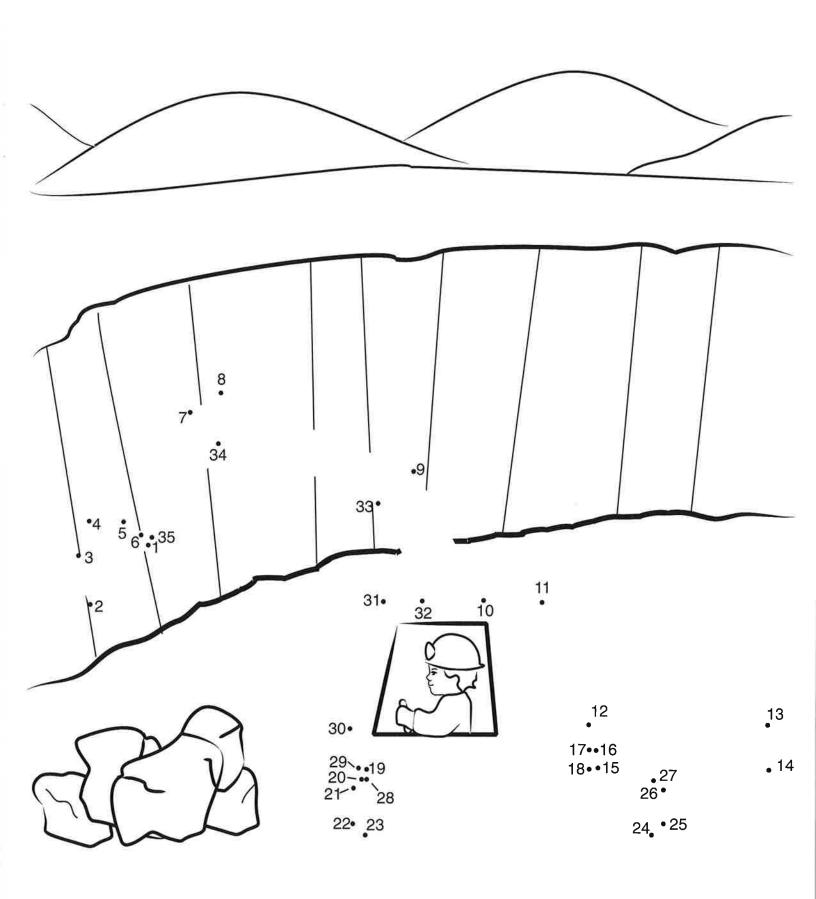
Y M Q Ζ U F C C Q L W Ζ S D D Ν D U W B В E C D J U S 0 Ε Ζ Y T U L F G Α L Ν B J Ζ 0 W Н Α R L Q C G Q W B Α Α D R N G E R U Н E U C Н G Т Α P В Q 1 E Т N ı Ε Α G Y W S G S L T Н N S L G N S C F S X C D R U S Н N Α G 0 Y W Ζ F G 0 Ν D Q 1 M F C F T Α J E V E N G N Ε Ε C I ı R В M G R Ε P P 0 C W Ζ F Q E U G R N N J F W S Т G Н S U G Т C S Ζ X Т P Н P 0 0 G U B Ζ J M Α Α V Ε 0 P U W M Ζ L R C Y Y N U 0 R G R E N D D U K

COPPER
CRUSHING
DISCOVER
ENGINEER
GEOLOGIST
GOLD

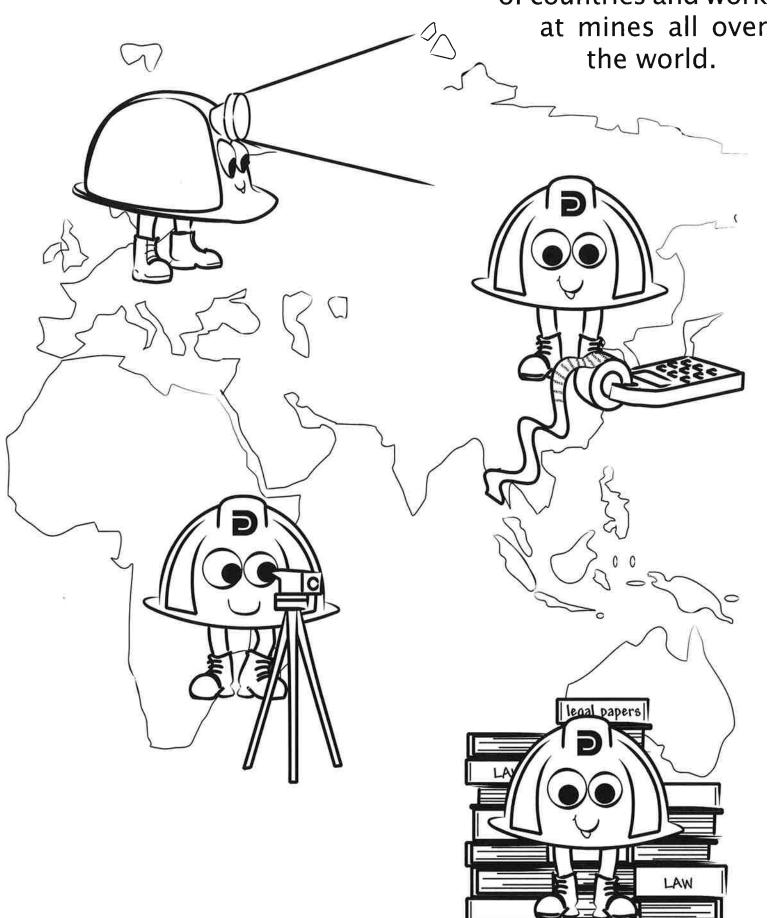
LEACHING
MINE
MINERAL
PIT
SURFACE
UNDERGROUND

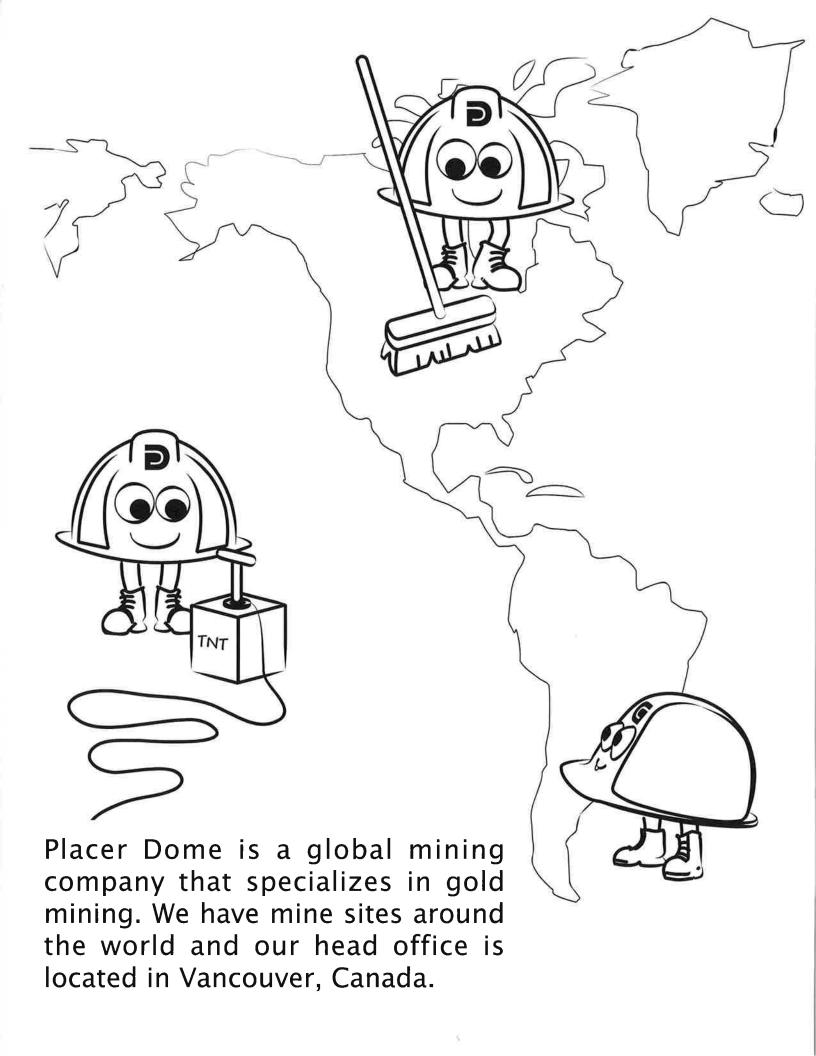


CONNECT THE DOTS



It takes many different kinds of people to make mining possible. At Placer Dome, these people come from a variety of countries and work





Our tour of the mining process is over and it's time for me to say goodbye. I hope I have helped you answer the question "What is a Mine?" and that you are now familiar with minerals and the role they play in our everyday lives.

BYE FOR NOW!

