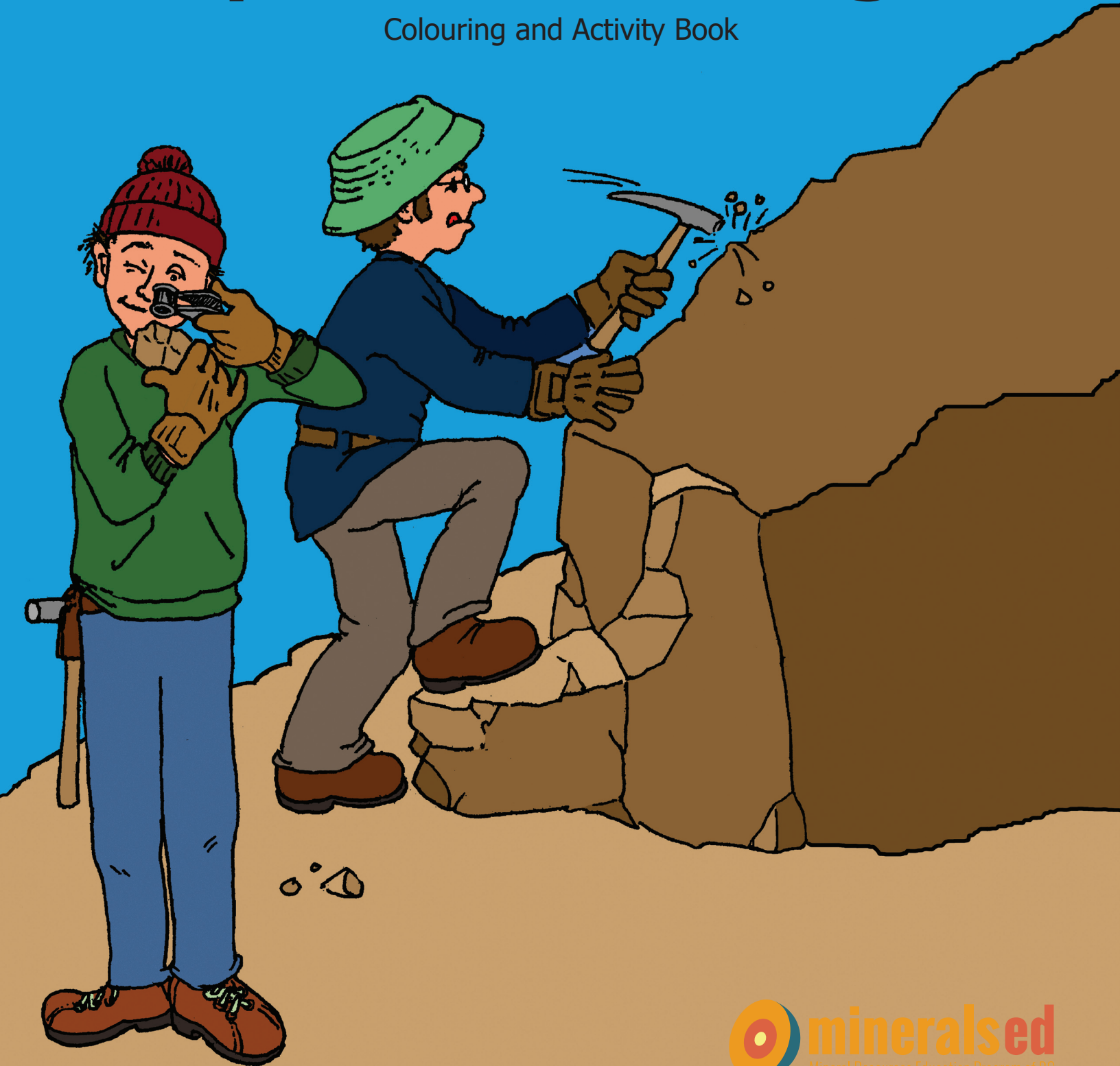


I am an Exploration Geologist

Colouring and Activity Book



I am an Exploration Geologist



Written by
Ann-Thérèse Brace and Sheila Stenzel

Illustrated by
Heather Brown

I am an Exploration Geologist is produced by MineralsEd (Mineral Resources Education Program of BC) in partnership with the Association for Mineral Exploration British Columbia.



George

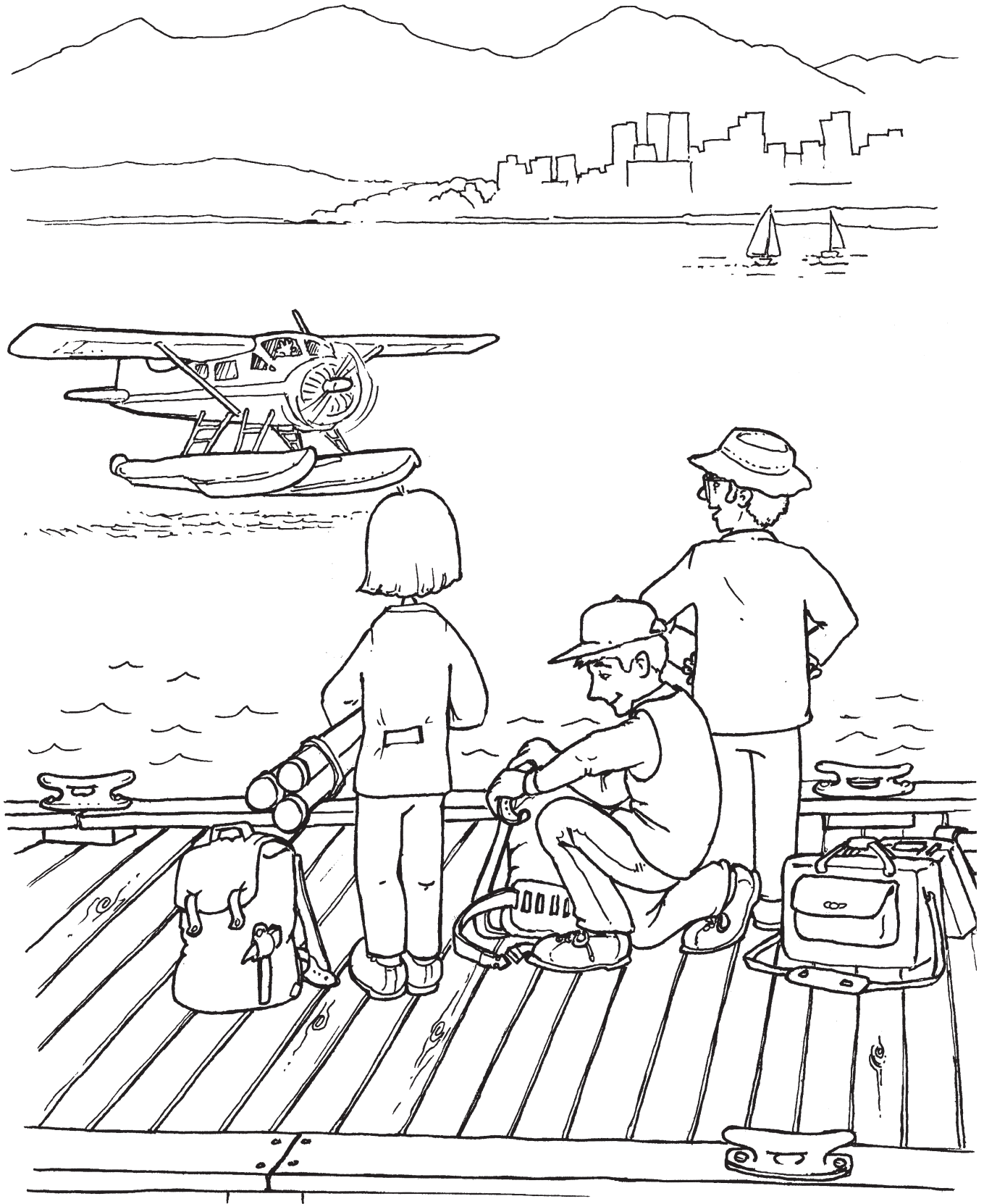


Sophie



Fred

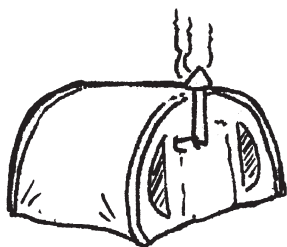
We are exploration geologists and we are off for the field season to look for valuable minerals.



Oh good! Here is our transportation - a Beaver floatplane to take us to our base camp.



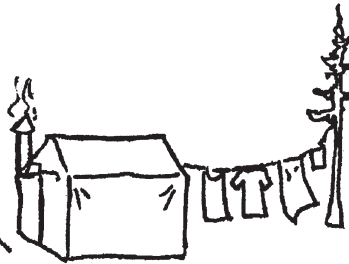
Legend



cook tent



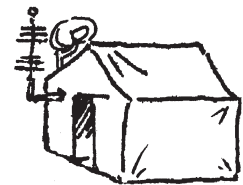
sleep tent



wash tent

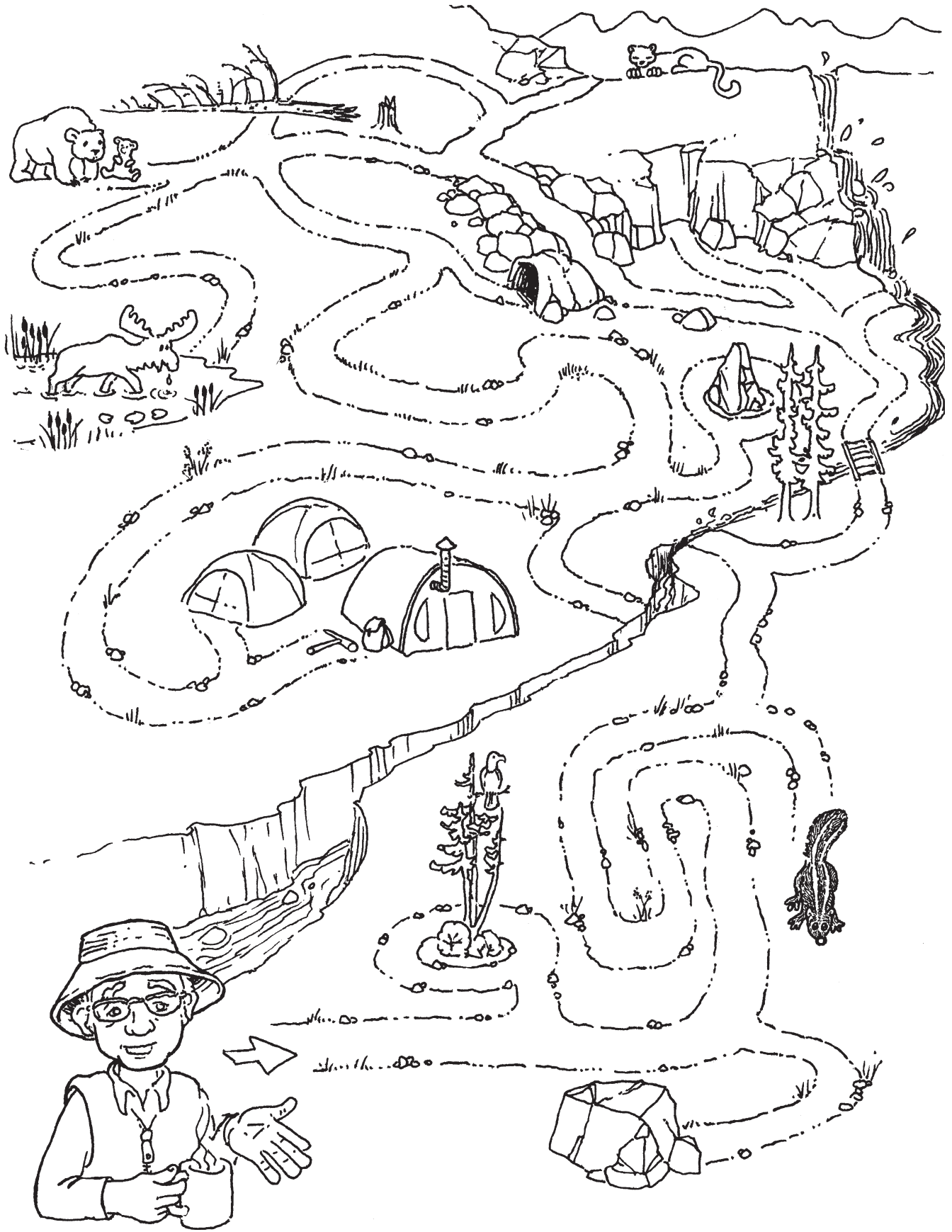


outhouse

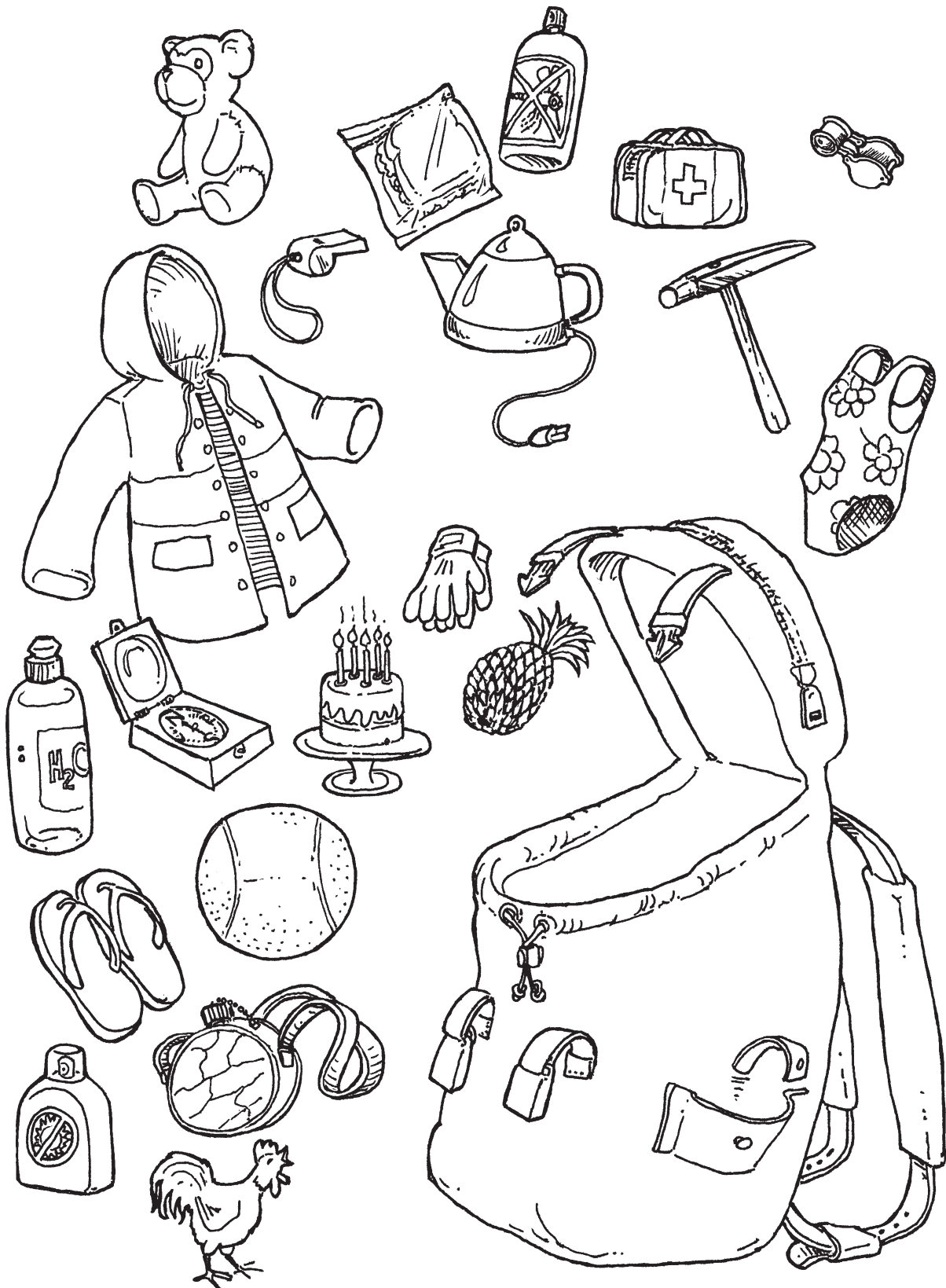


office tent

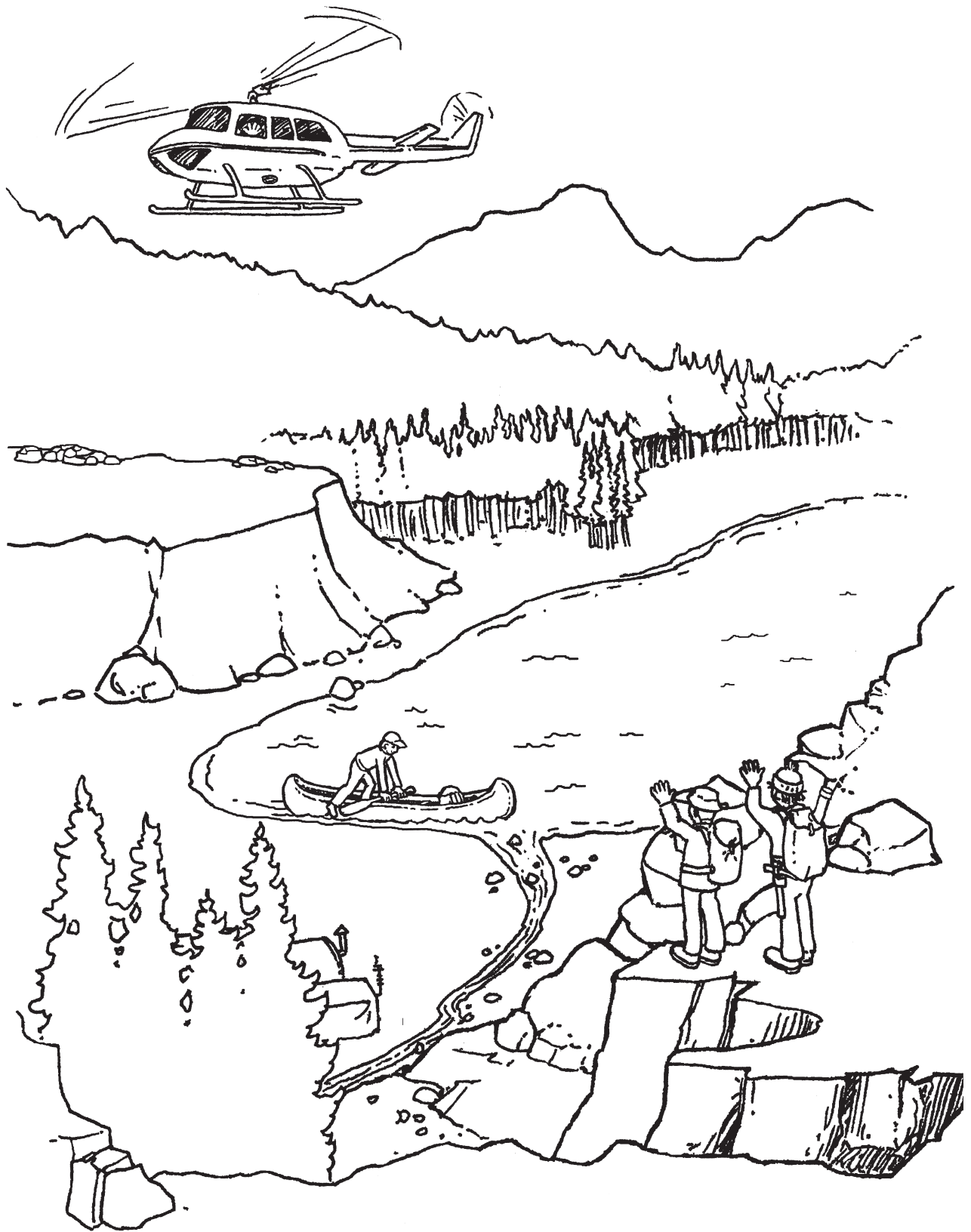
You might wonder what our base camp looks like. Well, here it is! Sure glad the camp crew went ahead and set it all up for us. This will be home for the summer!



I lost my rock hammer. Can you help me find it?



Sure glad we brought everything we need for a safe work day. Can you help me pack my backpack? Circle the things I need for the day.

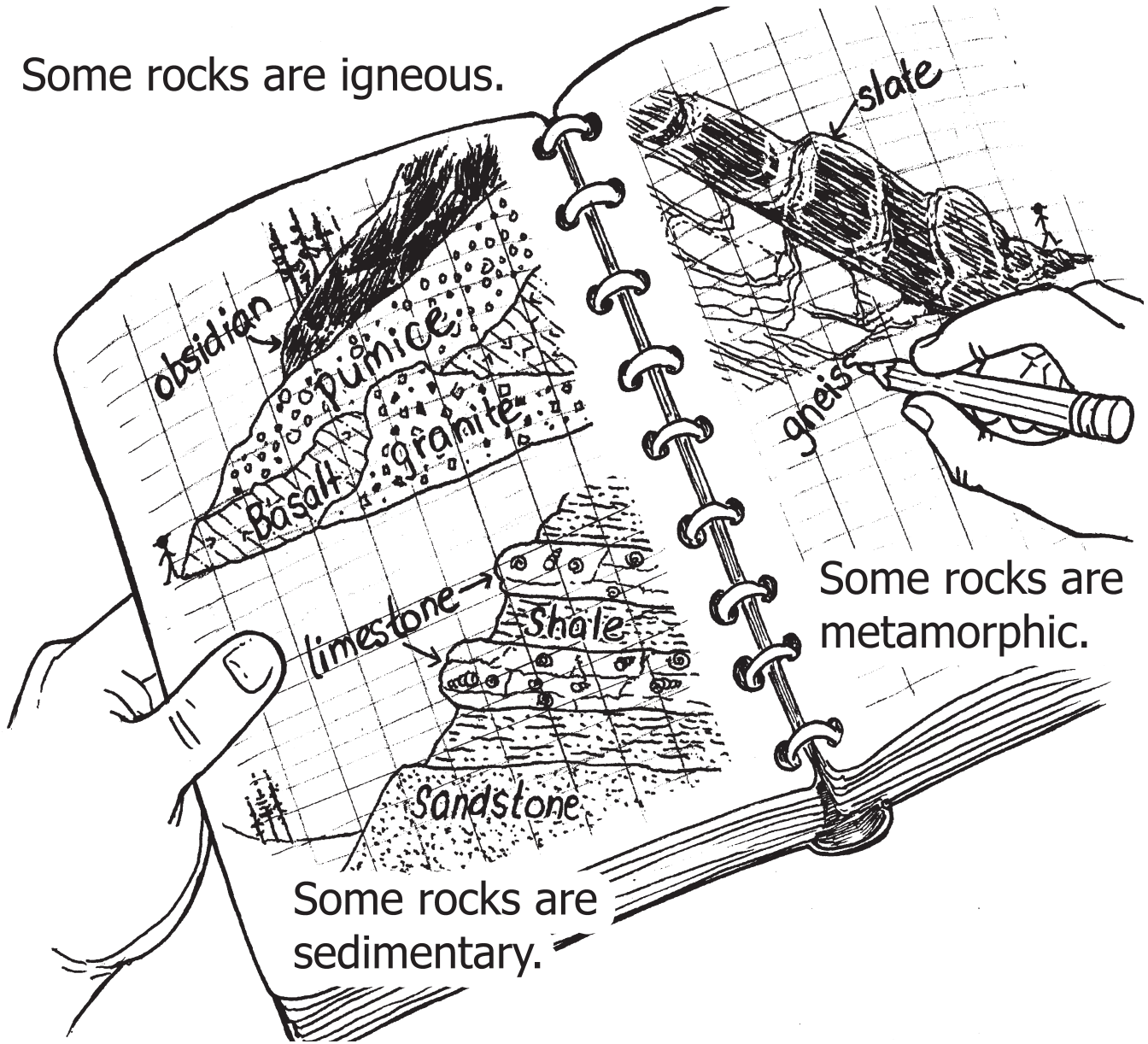


When we explore for minerals we either walk on foot, go by boat, or fly in a helicopter. Each day we explore a little further away from camp.



As we work we stop and look at all the rocks along the way. We break off samples with a rock hammer and look at them with a hand lens. We write what we see in our notebooks and mark the spot on our map.

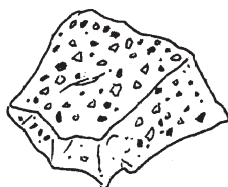
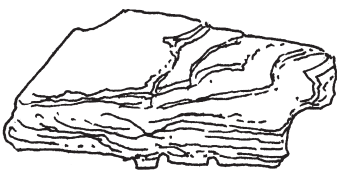
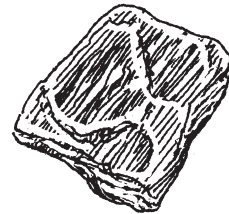
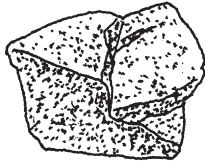
Some rocks are igneous.

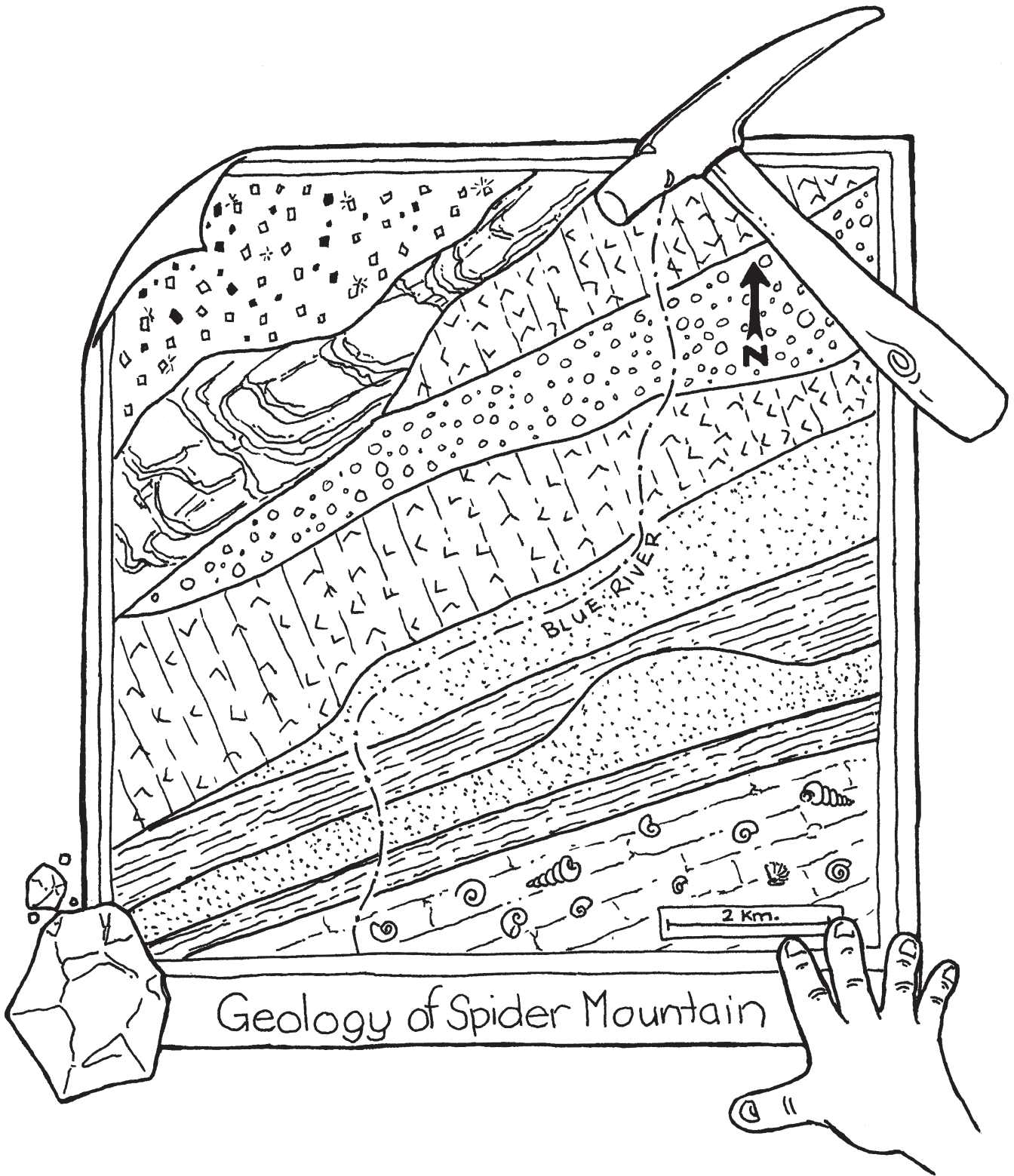


Some rocks are sedimentary.

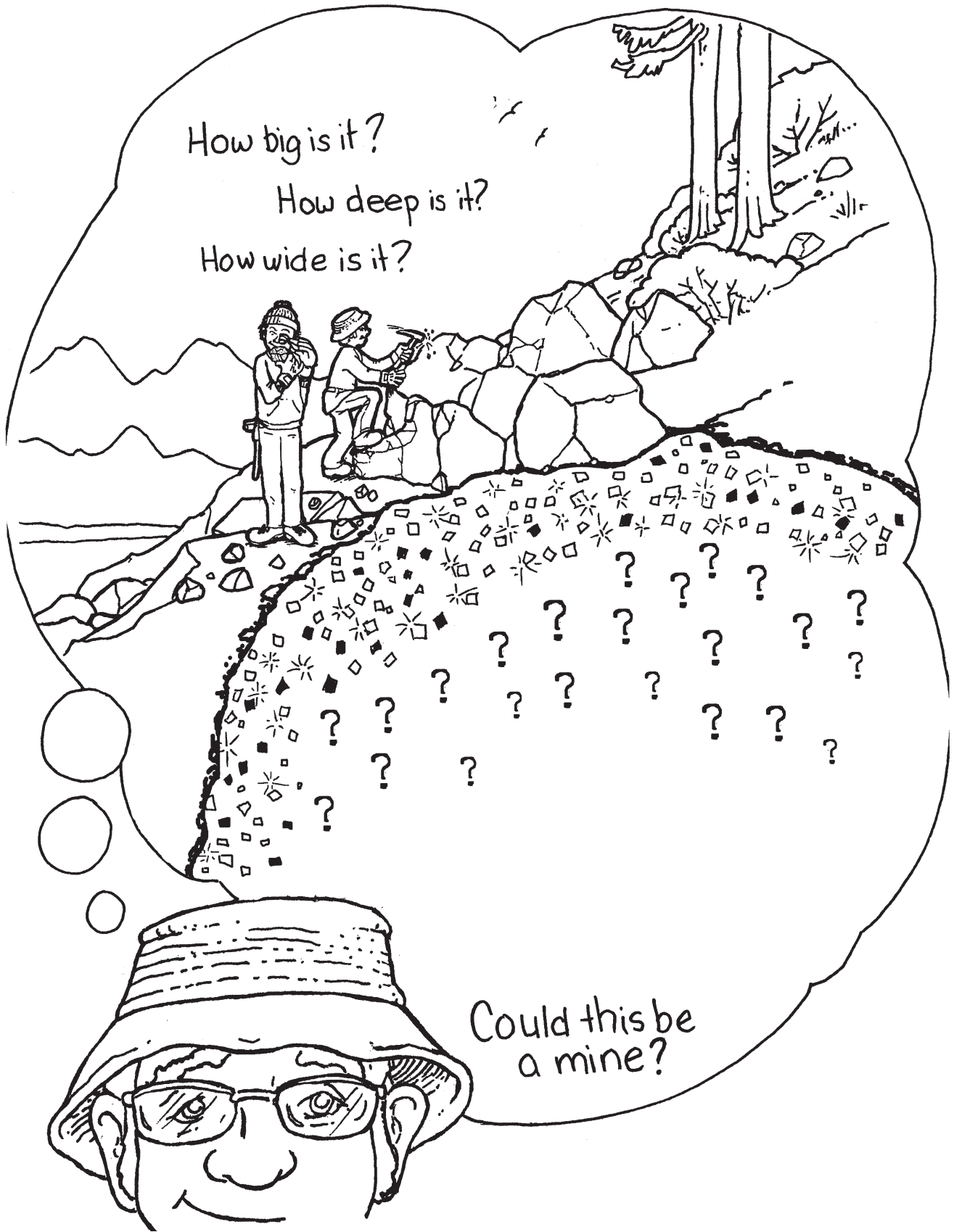
Some rocks are metamorphic.

Can you sort these rocks for me?

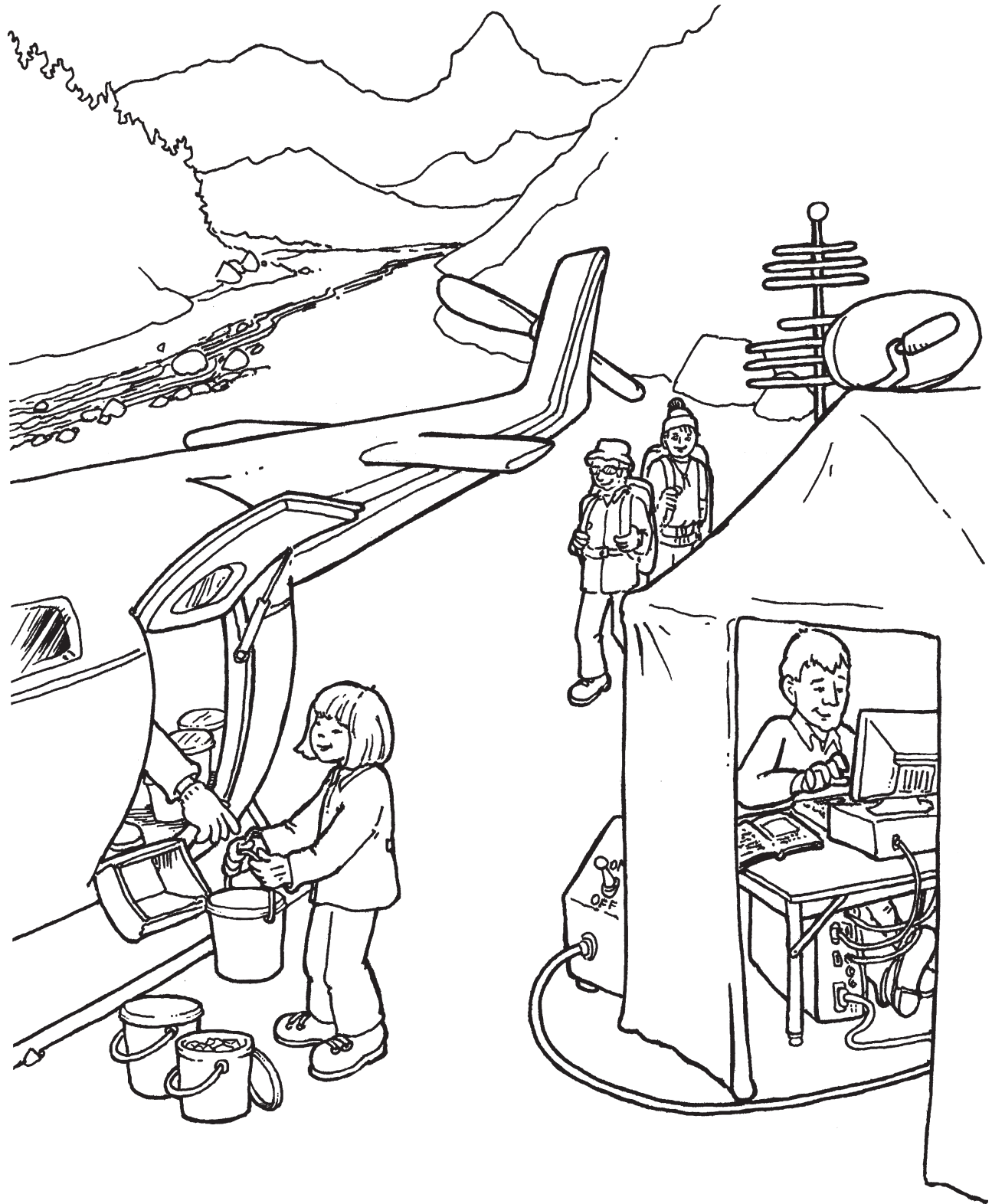




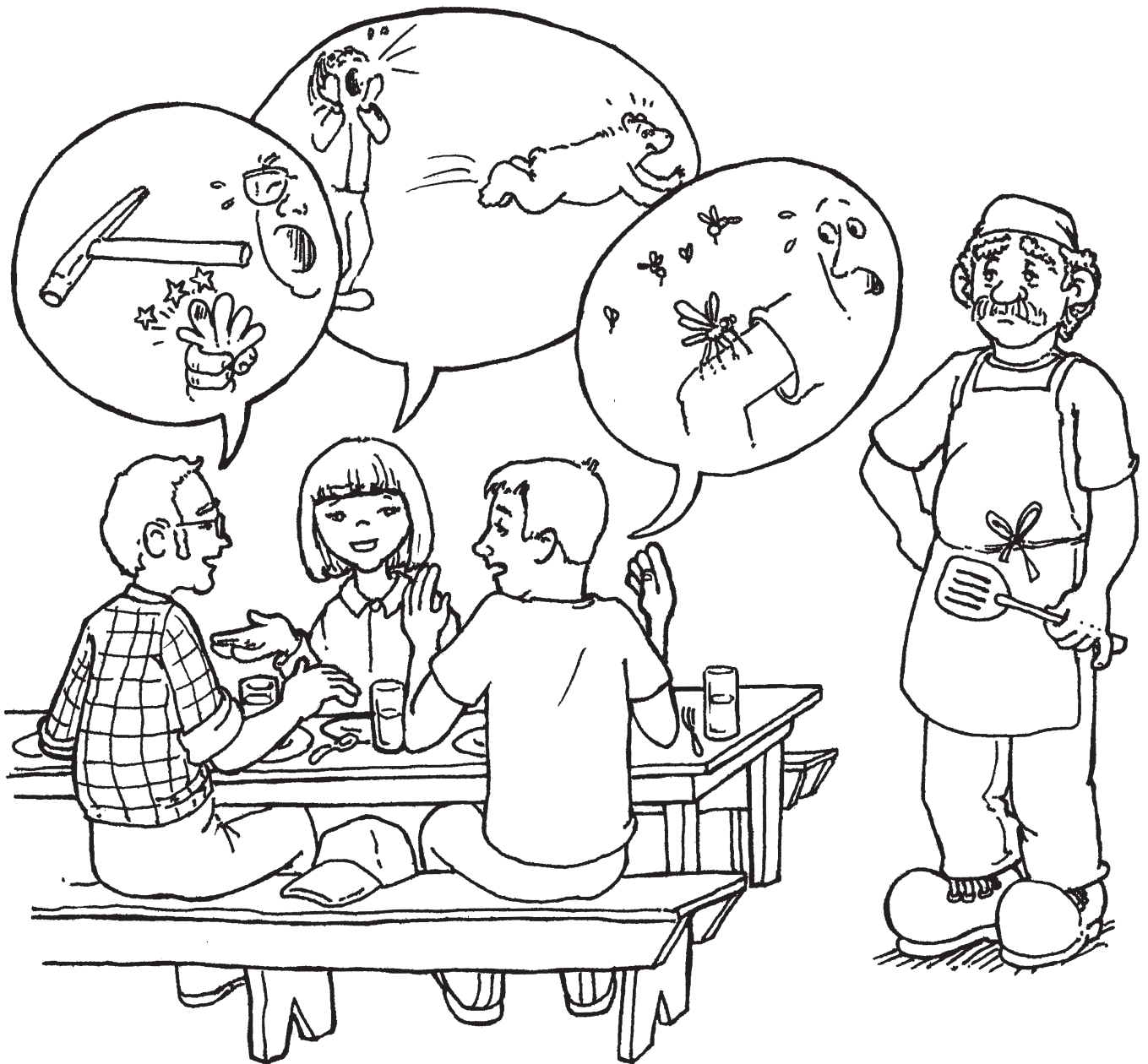
We make a map of all the different rocks we see. Help me make my geologic map! Colour the rock types the same as you did before!



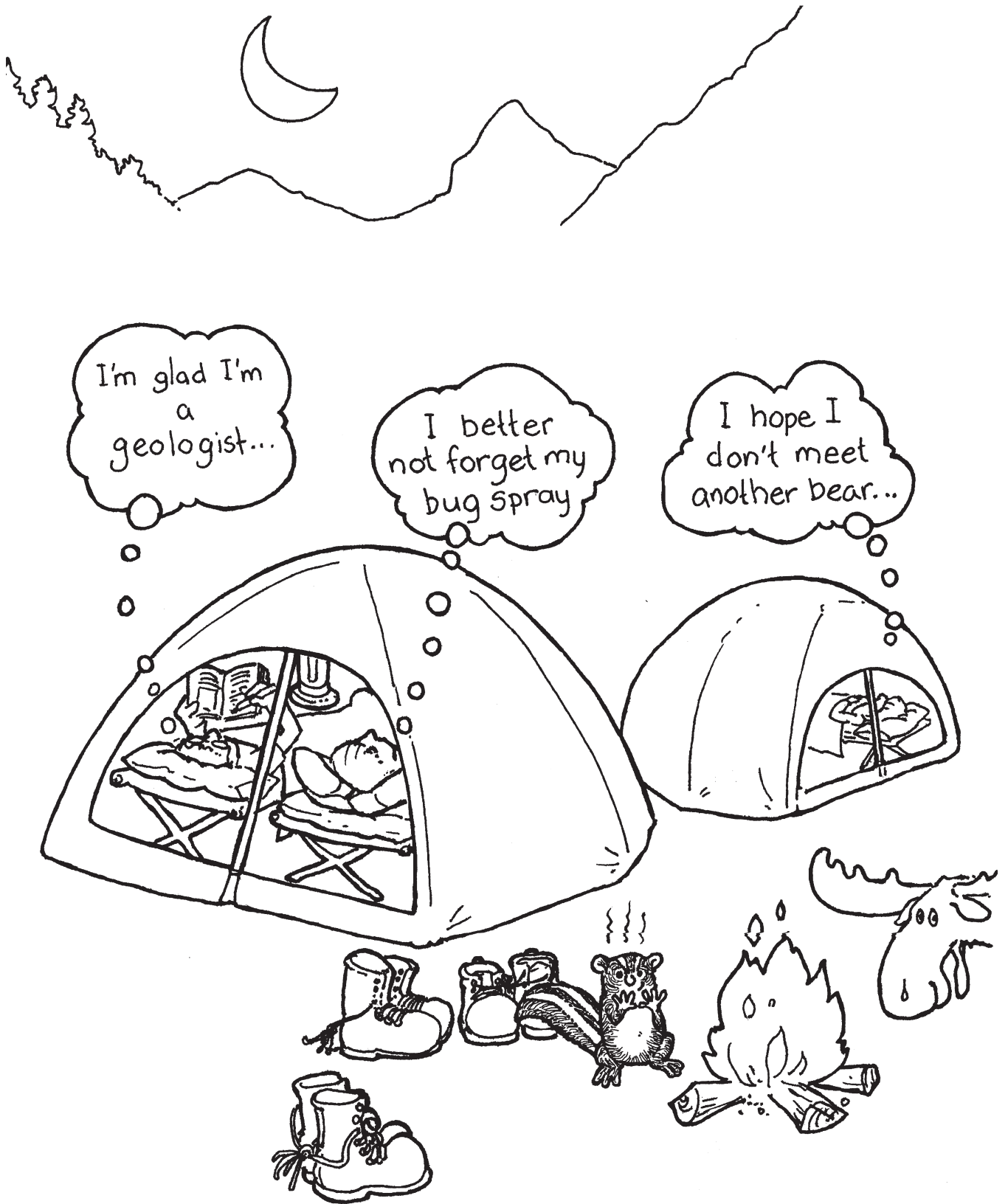
When I find valuable minerals in a rock outcrop, my next job is to find out how big the mineral deposit might be.



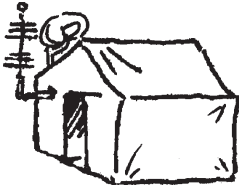
When our backpacks are full of samples and our lunch is gone we head back to camp. We put our samples into buckets and send them out to a lab. We put our field notes into the computer.



After a long work day we are hungry. We all meet up in the cook tent for dinner. We talk about our day.



After dinner we are off to bed. What a great day. I wonder what we will find tomorrow?



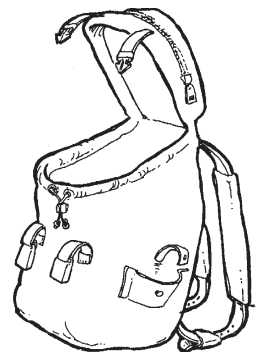
Exploration Geologist Word Search

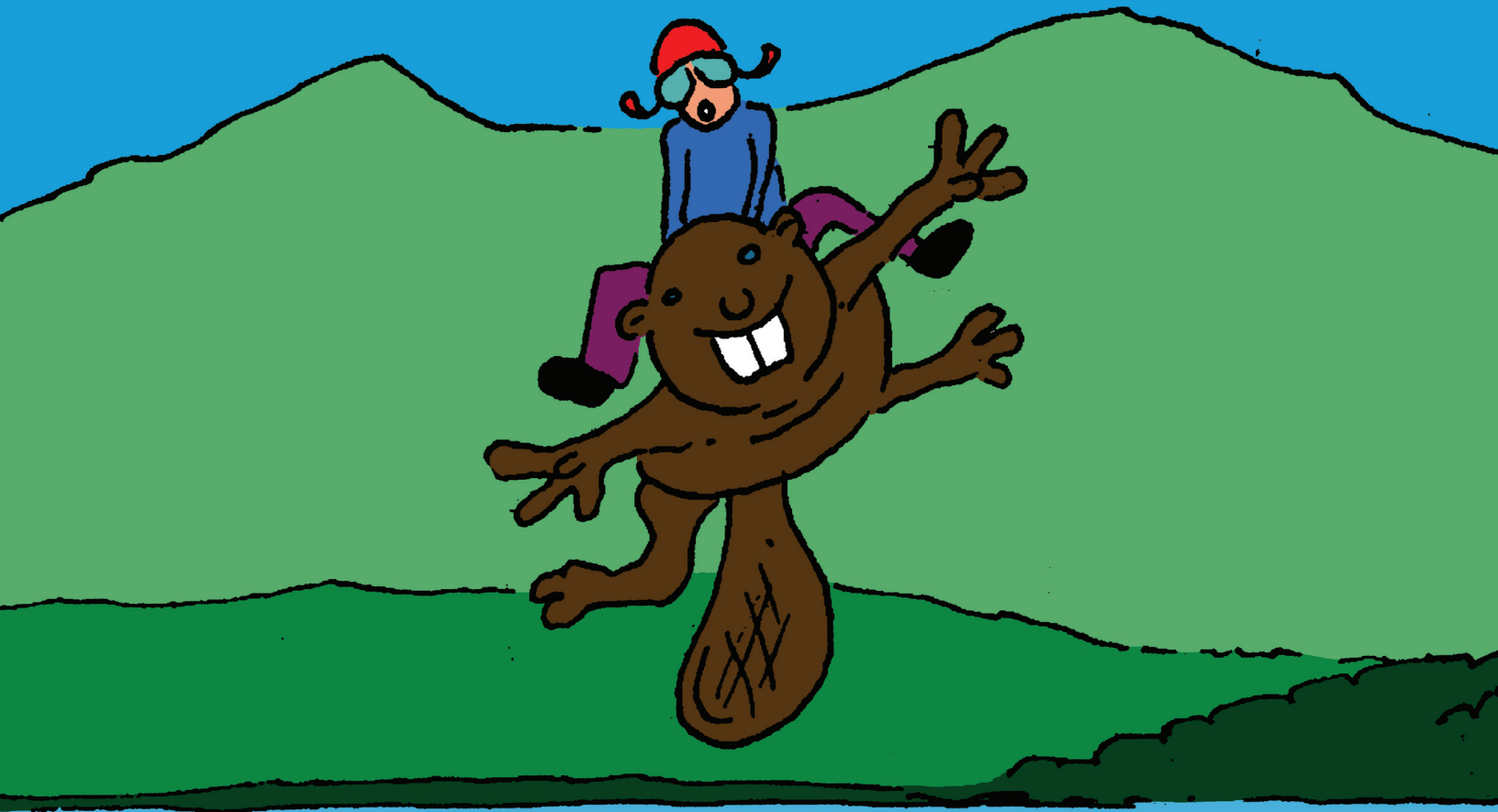
x a e s u o e n g i s n t n q
 g a v l m x h p g f k s s i c
 b a c k p a c k l o o e i a o
 f y k l y m p o o u t d g t m
 o m o m d g a b c t a i o n p
 e r k m e t e s t c o m l u u
 e m t r p t k c o r b e o o t
 e x p l o r a t i o n n e m e
 v s a n s w n m w p a t g d r
 w n m i i e d c o m p a s s e
 e f l y t a y l h r j r q m m
 s n e l d n a h e i p y o i m
 m i n e r a l f a i k h k n a
 r e t p o c i l e h f e i e h
 c a m p d r e v a e b d k c z

backpack
 beaver
 boat
 camp
 compass
 computer
 deposit
 exploration
 explore
 fieldwork

floatplane
 fly
 geologist
 hammer
 handlens
 helicopter
 hike
 igneous
 map
 metamorphic

mine
 mineral
 mountain
 notebook
 outcrop
 rock
 sample
 sedimentary
 tent





MineralsEd (Mineral Resources Education Program of BC)

MineralsEd is non-profit organization dedicated to encouraging Earth science, mineral resources and mining education in school.

www.MineralsEd.ca



AME BC (Association for Mineral Exploration British Columbia)

AME BC advocates a healthy, sustainable, and environmentally sound mineral exploration sector, and hosts Mineral Exploration Roundup, the world's largest annual technical mineral exploration conference.

www.amebc.ca