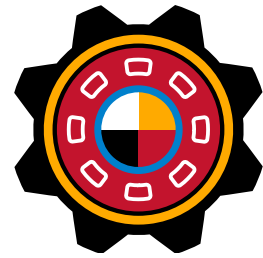


TĀNSI KA TOTĀHKIK OKI MAHTĀWIHSIHCIKEWAK



PARENTS AND TEACHERS,

All children love to play and explore the world in different ways. They invent bulldozers with their boots in the snow, or create bubbles by splashing through puddles. They also design solutions to problems by finding a way to climb up on a counter to nab a cookie! Children can be very imaginative and innovative when presented with a challenge!



aboriginal access
to engineering

These qualities – imagination, creativity, inventiveness, problem-solving and design skills – are all hallmarks of budding engineers.

Canada's engineering profession needs more young people to build solutions for the future, and Aboriginal communities have the youngest population in the country. Canada's Aboriginal communities also need the skills that an engineering education can provide. Whether the need is for a cleaner environment, new homes, better communications infrastructure or more efficient heating systems, Aboriginal engineers will make important contributions to community development.

We invite you to use this book as a first step in introducing children to What Engineers Do. The Engineering and You, Design Challenge and Experiment sections are intended to let you explore engineering concepts in an immediate, hands-on way in order to bring this book to life and have children recognize their relationship to engineering.

Many of the pages feature activities that can also be found as interactive games on our website, aboriginalaccess.ca. Other resources are also available on our website, such as curriculum guides, learning modules and role model profiles of practicing Aboriginal engineers. You may also keep up to date on developments in science, technology, engineering and math education for Aboriginal peoples through our mailing list and the social media networks that are linked on the site.

We hope you enjoy discovering along with your children what engineers do!

TĀNSI KA TOTĀHKIK OKI MAHTĀWIHSIHCIKEWAK



ABORIGINAL ACCESS TO ENGINEERING
Faculty of Engineering and Applied Science
Beamish-Munro Hall 300
Queen's University
Kingston ON K7L 3N6
aboriginalaccess.ca

Kih kih kiskiyihten ci tānsi oma e-tohtākik oki mamātāwihsihcikewak?

Mamātāwihsihcikewak meyohtāwak oma nipiya ka kih minihkwāniwik. Oyihtāwak kiskinwahamātowikamikwa mena e-manāhciktācik oma ita kā sakak. Kanāhcitāwak askiy, osihtāwak meskanawa, monahamwak monahisoneyāwāna. Mamātāwihsihcikewak mistahi kekwāy totamwak ka kakwe wecihācik eyiniwa ihtāwinihk.

Ekosoma kā itatoskeyin Mamātāwihsihcikewak sohkih piko ka kiskinwahamāsowin. Kinwes mena piko ka kiskinahamākowiseyin. Māka mamitonihyihta ka kih nohte kiskihyihmacik oki piskiwak muskox kā itihcik, maskihkihya kosihtāyin, āhpo ka kih masinahaman wāwāteu. Ewakoni ohi kekwāya Mamātāwihsihcikewak ka tohtāhkik. Māka moya kih ke ohci kiskihyihhten!

Mistahi kekwāy oma Eyiniwak ekā e-kiskihyihhtākik mamātāwihsihcikewak kā totamiyit. Ewako oma ohci ka kih masinahamahk oma masinahikan. Nih pakosihyimonān ka kih meweyitaman ka ayamihtāyin oma masinahikan Tansi oma Mamātāwihsihcikewak Ka totahkik.

Tansi ka tohtakik Mamātāwihsihcikewak oma nistam ka kih osihtāniwik ekospih 2002 askewin. Oma Nehiyawih pekskwewin ota mekwāc ka kih osihtākik oki kecikāso-cik Kiskinahamātowin Mamātāwihsihcikewin ekwa kiskihyihhtamiwin, (Queen's University) Kihci Kiskinahamātowin.

Sakāw ka atoskātāhkik mamātāwihsihcikewak atoske-
 wak ka wecihācik metosa ekwa piskisesa sakāhk kā
 ayāyit. Ka kih wecihāwak ci ka akimācik ohi piskisesa
 ekota sakāhk kā yāyit oki
 mamātāwihsihcikewak?

**Nitakimāwak __
 piskisesak.**



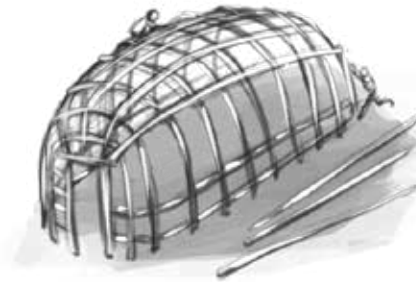
Kosihcikecik mamātāwihsihcikewak osihtāwak ita
 eyiniwa ka wekiyit, ka atoskeyit ekwa ka metaweyit.
 Wāskāsinaha anihi wāskahikana /wekiwina Nehiyawak
 kā kih osihtācik



Asiskiy ohci wāskahikan



Mihkowāhpa



Kā Kinwāk waskahikan



Misi Wāskahikan ita kayāsi
 kekwāy kā kanawihyihkāhkik



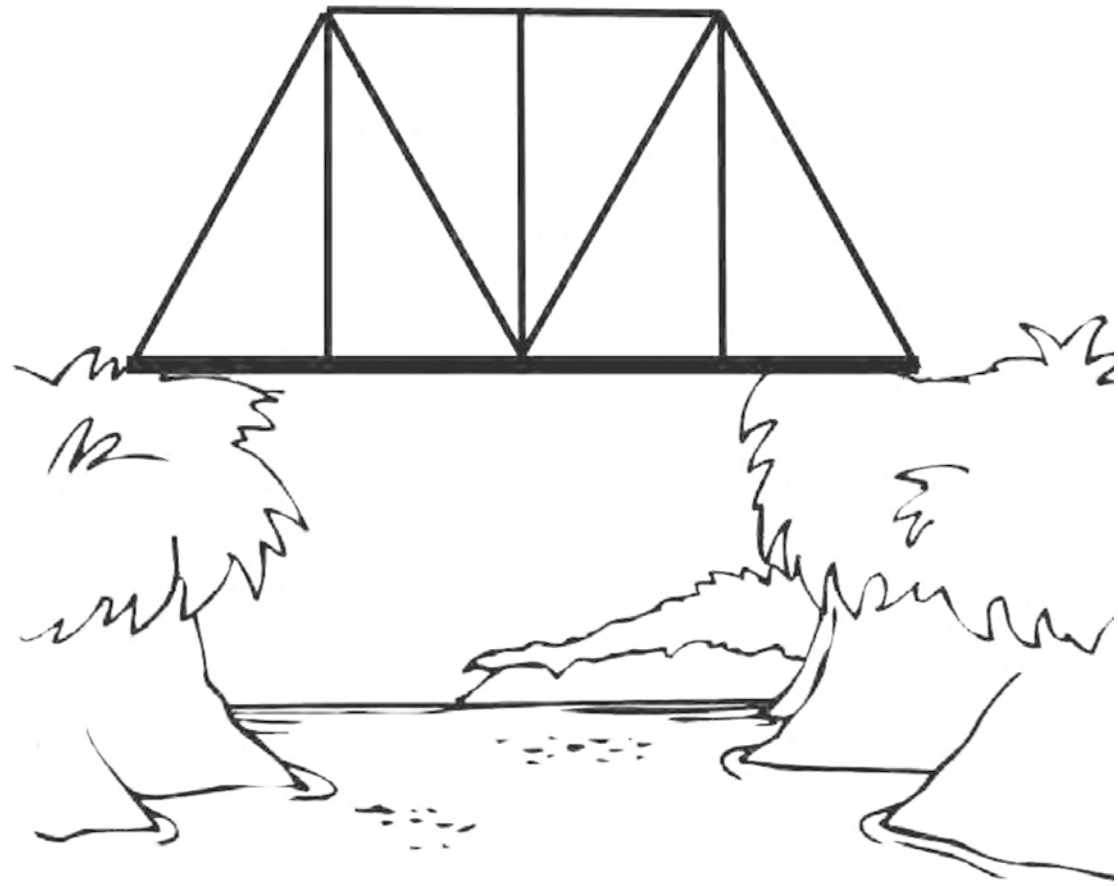
Kā cāhkawahikātek Wāskahikan



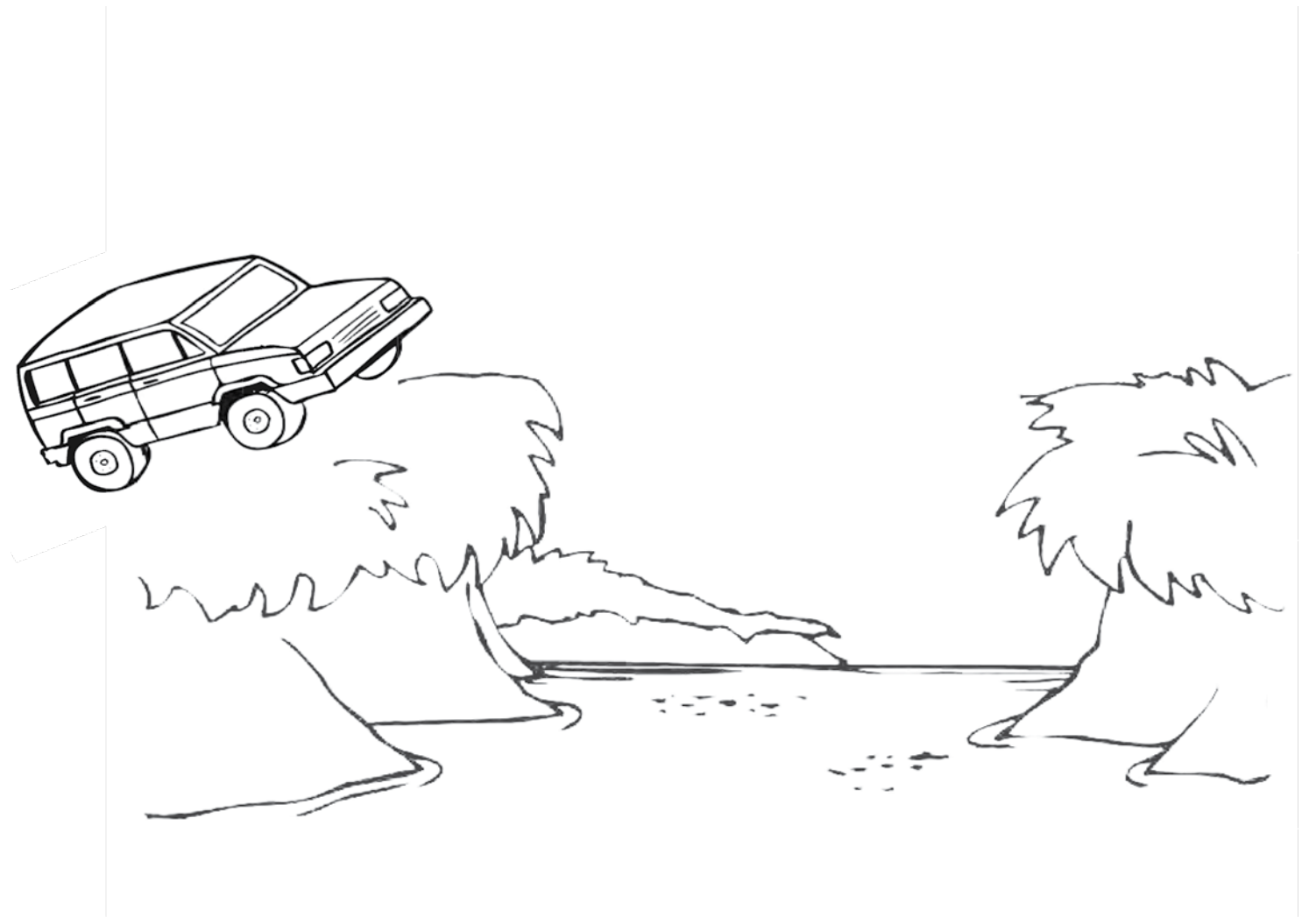
Kona ohci Wāskahikan

Oma nistwayak kā isi kahkākihyāk māka sohkan. Nistwayak e-isināhkwak. Otenahk mamātāwihsihcikewak kātoskecik osihtāwak āsokana e-āpicihtācik nisywayak kesinākwaniyihki. Kekā mitāhtaht 9 nistayahk kā kahkākesicik oki ota oma āsokan. Ka kih miskawāwak ci eyawis?

Masina tāhto nistwayak kā kākāhkesicik pa petos itasināstewa āpacihtā.



Hāw, Kihkiskihyihten māka ekwa otenāhk kātoskecik mamātāwihsihcikewak e-āpacihtācik ohi nistwayak kā kāhkiyāyiki ka osihtācik āsokana. Ka kih osihtān ci āsokan ka wecihat awa sihkepayes ka āsowakāsit sepiy?



Napihkwāni mamātāwihsihcikewak osihtāwak kā misāki. Cemān oma e-kih osihtācik Nehiyawak nistam. Sākaskināhtā tāhto akihtāson ita kā tawāk itasināstew ka āpacihtāyin ka miskaman cemān.

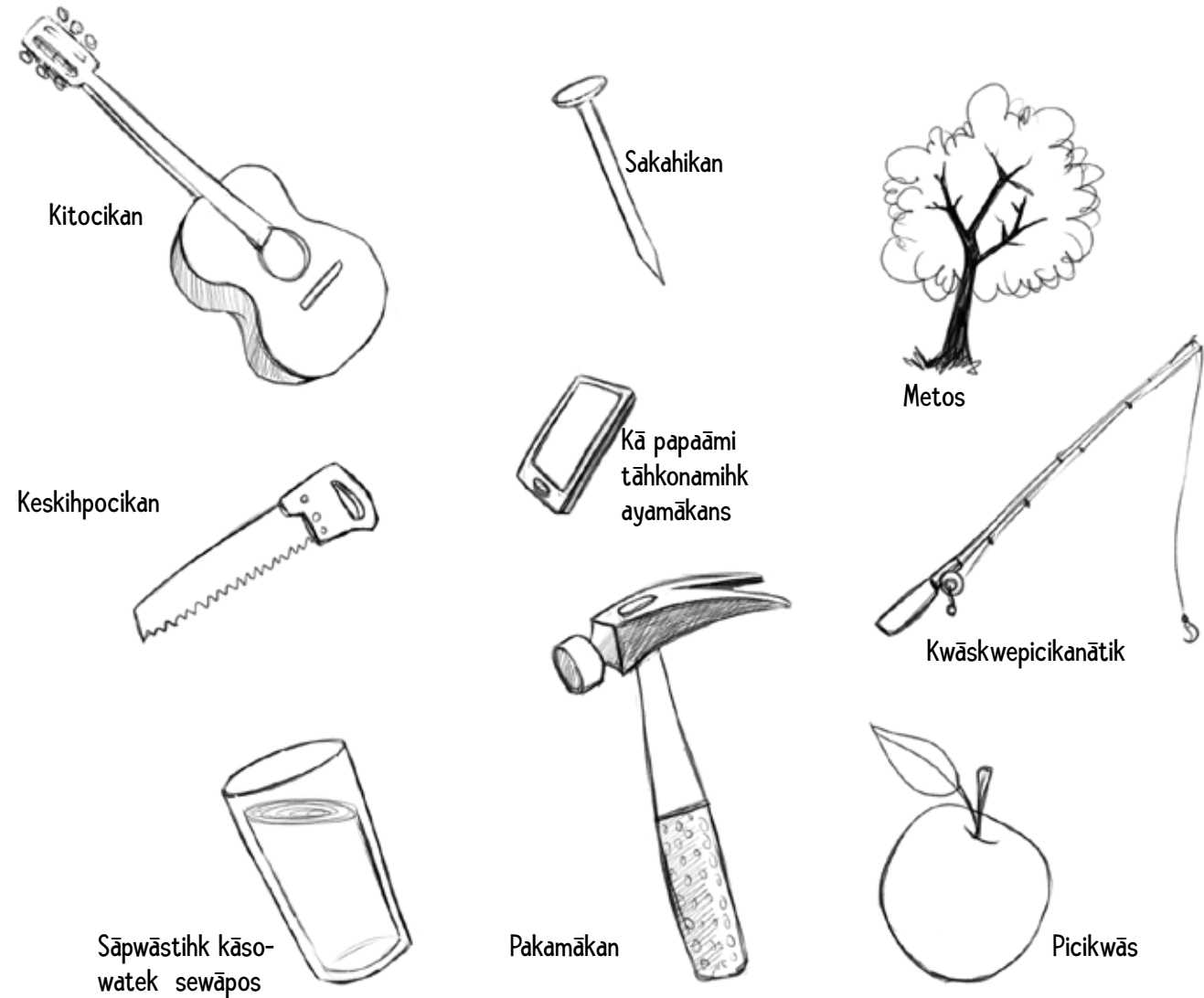


- 1 = arihwa'konhnéha
- 2 = orò:ia
- 3 = kahòn:tsi
- 4 = athèhsa
- 5 = otiarèn:ta
- 6 = onekwèn:tara
- 7 = óhonte
- 8 = otsí:nekwahr

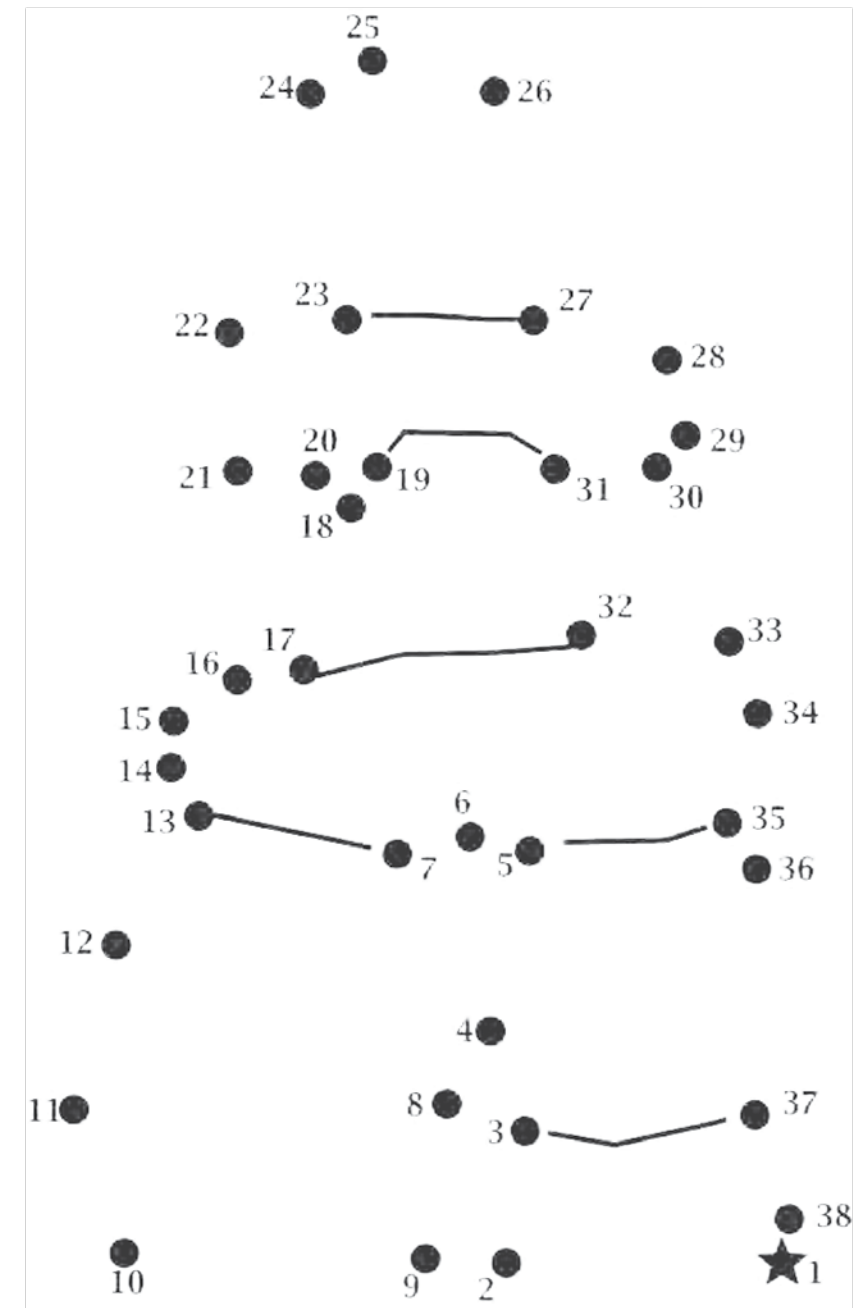
Pewāpiskotinew mamātāwihsihcikewak osihtāwak pā petos itiwahk āpacihcikana, sihkihpayesa mena. Kespín oma keya pewāpiskotinew mamātāwihsihcikew, tānsi kih isinākosew sihkepayes ka osihaht? Tāpasina ota capasis.



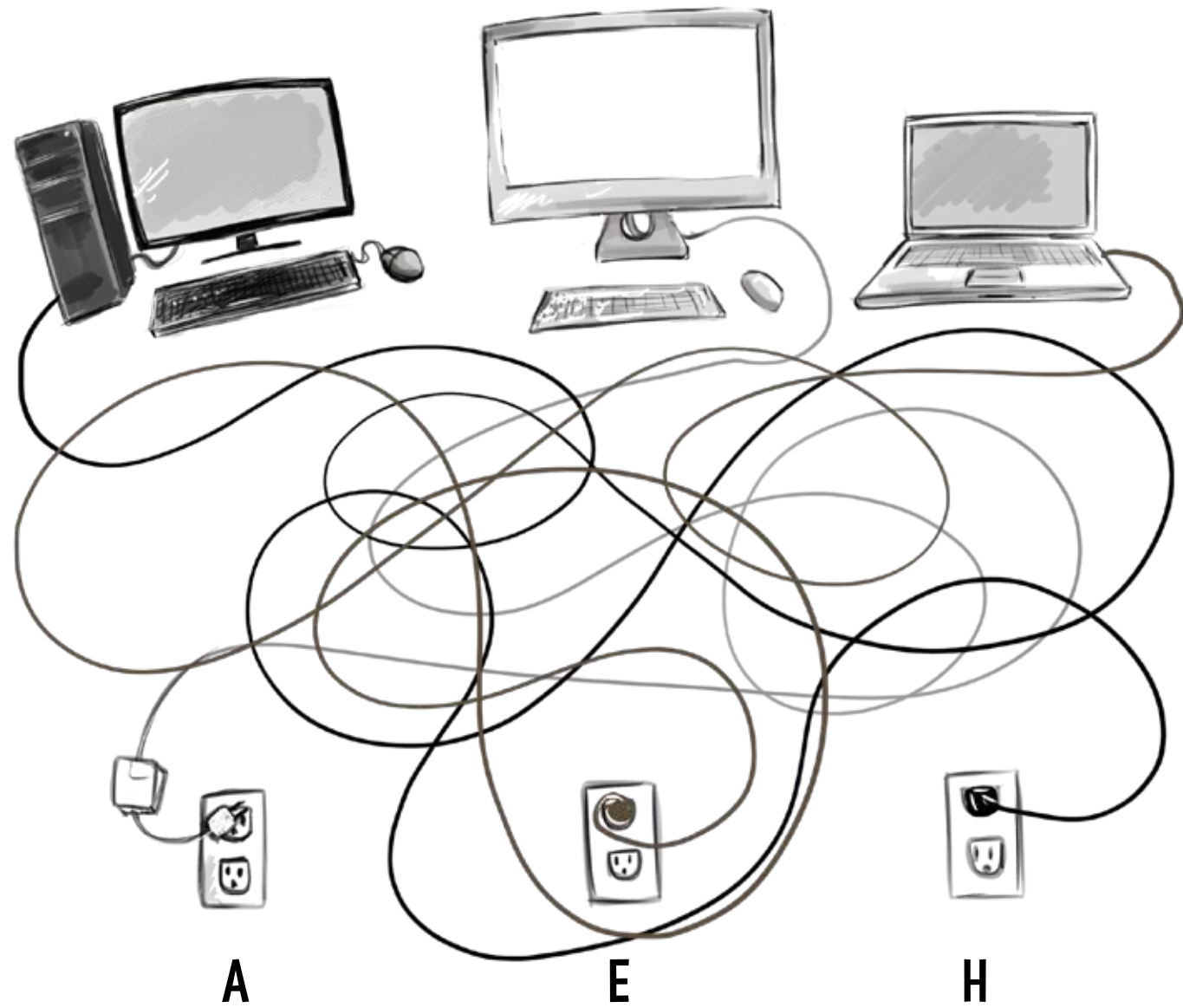
Wāskahikaneke w mamātāwihsihcikewak osihtāwak wāskahikana. Ketasināsteki itasinaha ohi kek wāya ka āpatāhki ka osihtāyin wāskahikan.



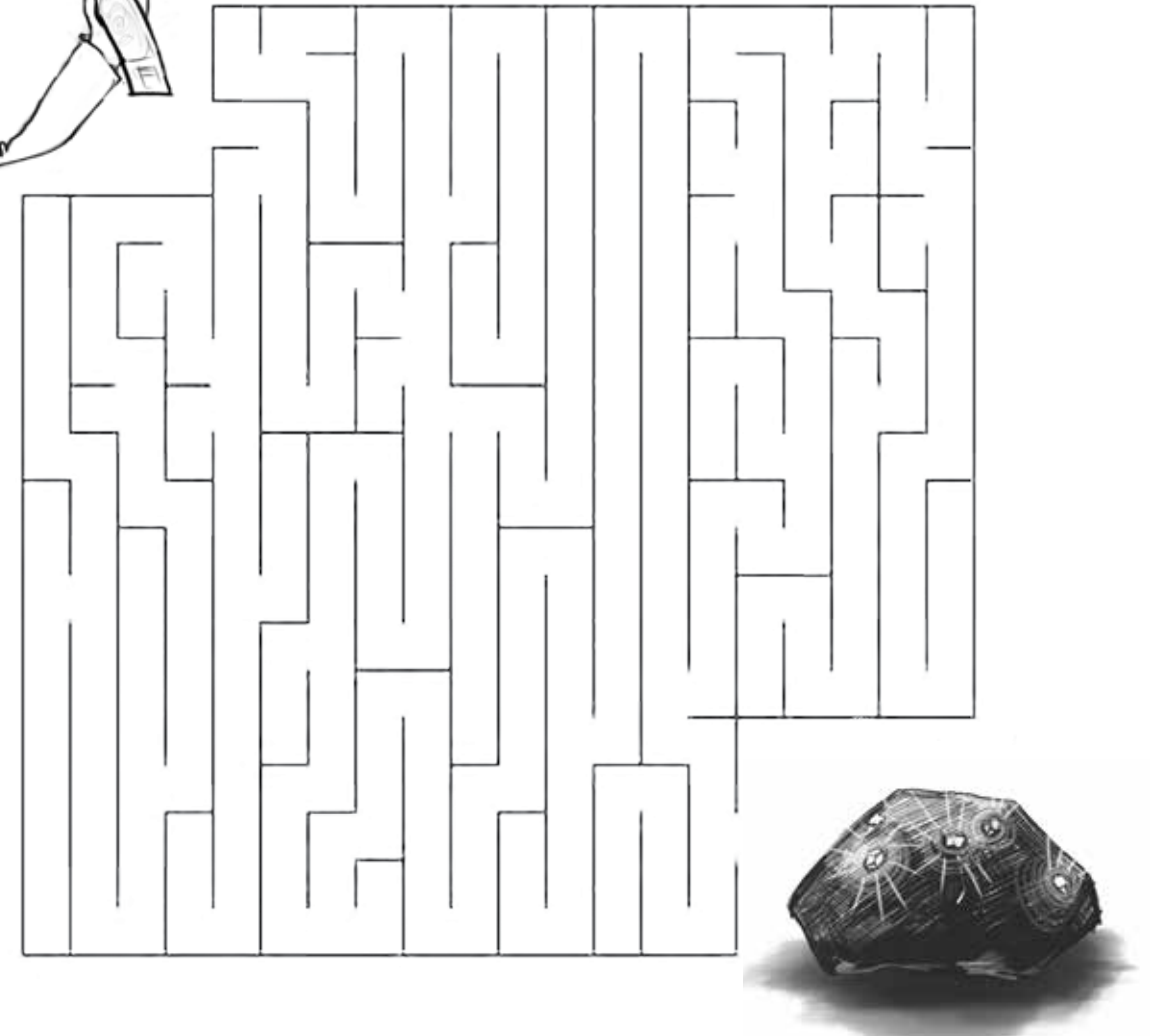
Pimotehowin ohci mamātāwihsihcikewak wecihewak eyiniwa ta ayātoteyit . Kewetinohk, inukshuks oki āpatsiwak ka kiskinwahākik meskanawa. Kiskinwahamwak peyakwayak mena kota tāt wāyak. Sā sakamotā ohi cāhkipehikana ita kā wāpamat awa inukshuk.



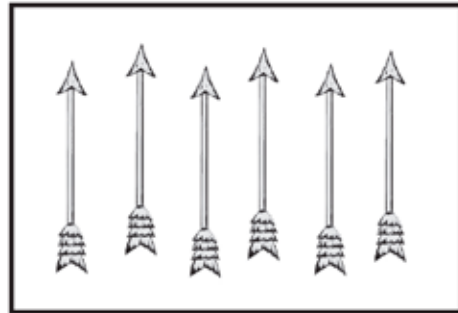
Ma mātāwāpacihcikan ohci mamātāwihsihcikewak atoskihtāwak mamātāwāpacihcikana. Ka kih atoskihtān ci ohi mamātāwi āpacihcikana? Tāpasinaha oma pewāpiskweyāpiy ta miskaman tāntih kā tāpihtihk oma mamātāwāpacihcikan. Masinaha anima akihtāon ita kā tāpihtihk anita mamātāwāpacihcikanihk wāpamonihk.



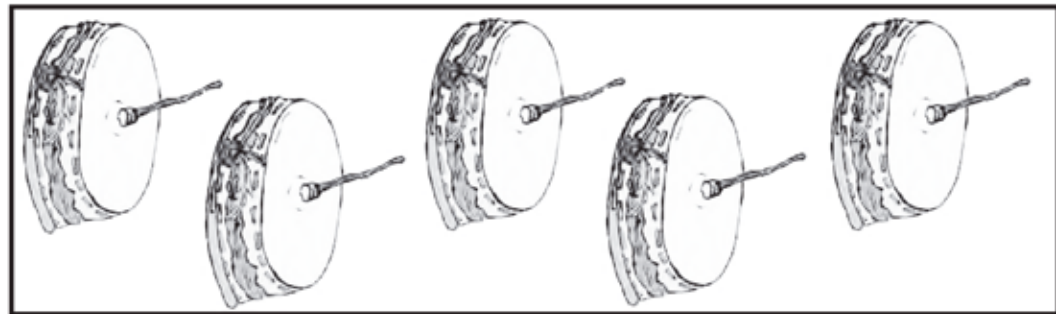
Monahisoniyāwān kosihtācik mamātāwihsihcikewak nitonamwak pewāpiskwa ekwa mena soniyāwāpiskosa. Ka kih wecihāwak ci oki Monahisoniyāwāna kosihtācik ka miskawācik anihī kā meyosiyit asiniya?



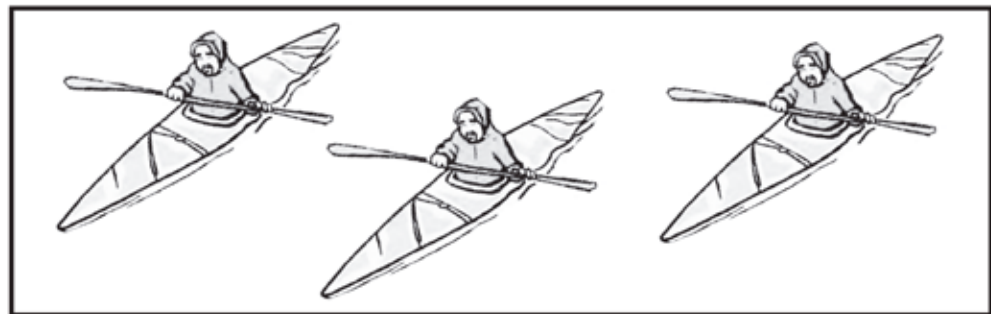
Kākeyaw ewakoni kekwāya kā osihcikāteki .
tāpasinaha ka sakamotāyin tāhto mistikowatis tāhto
anihi kekwāya ekota kā asteki.



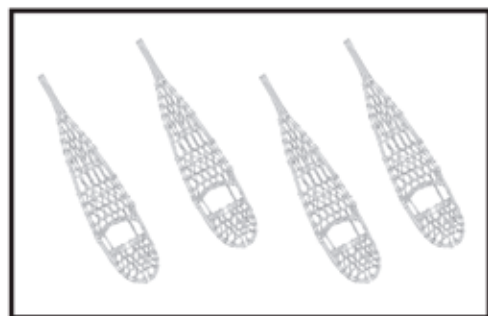
3



6



4



5

Oma ka pih nepihk, mamātāwihsihcikewak kih
atoskātamwak kih kiskinwahamātowikamik.



PĀMAYES

Kihwāpahten ci niktowāsik 6 kā meskwatsihtācik ekwa ka wāskāsinahaman?



PĀTIMA

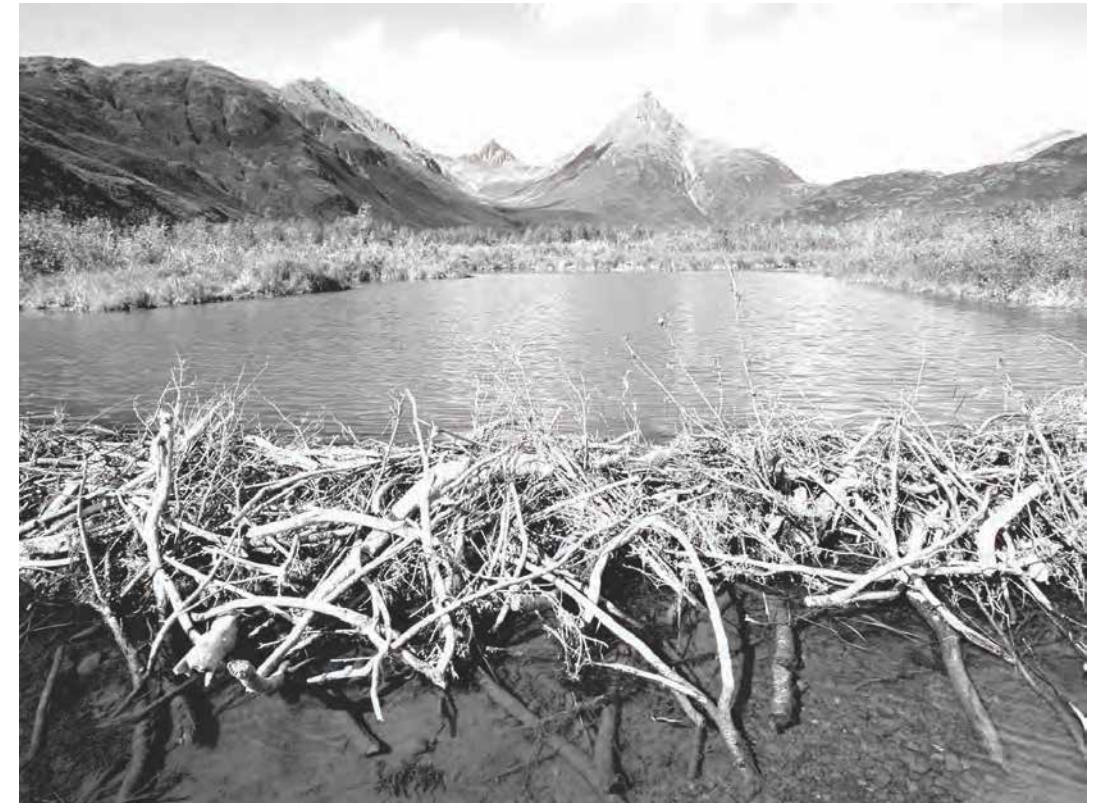
Mamātāwihsihcikewak oki kiskinahamākwak kekwāy piskisesa ekwa pikwataskihk.

Awena ka kih osihtāht oma kā cimatek?



Mamātāwihsihcikewak oki kiskinahamākwak kekwāy piskisesa ekwa pikwataskihk.

Awena ka kih osihtāht oma kā cimatek?



Nikik

Moskwahosiw

Amisk

Moswa

Kihkiskihyihten ci tānsi e-isyihkātek?

Tāskoc awa amisk, mamātāwihsihcikewak osihtāwak kipahikana.
Mecet mamātāwihsihcikewak ka atoskātamwak kipahikan.



OTENĀHK



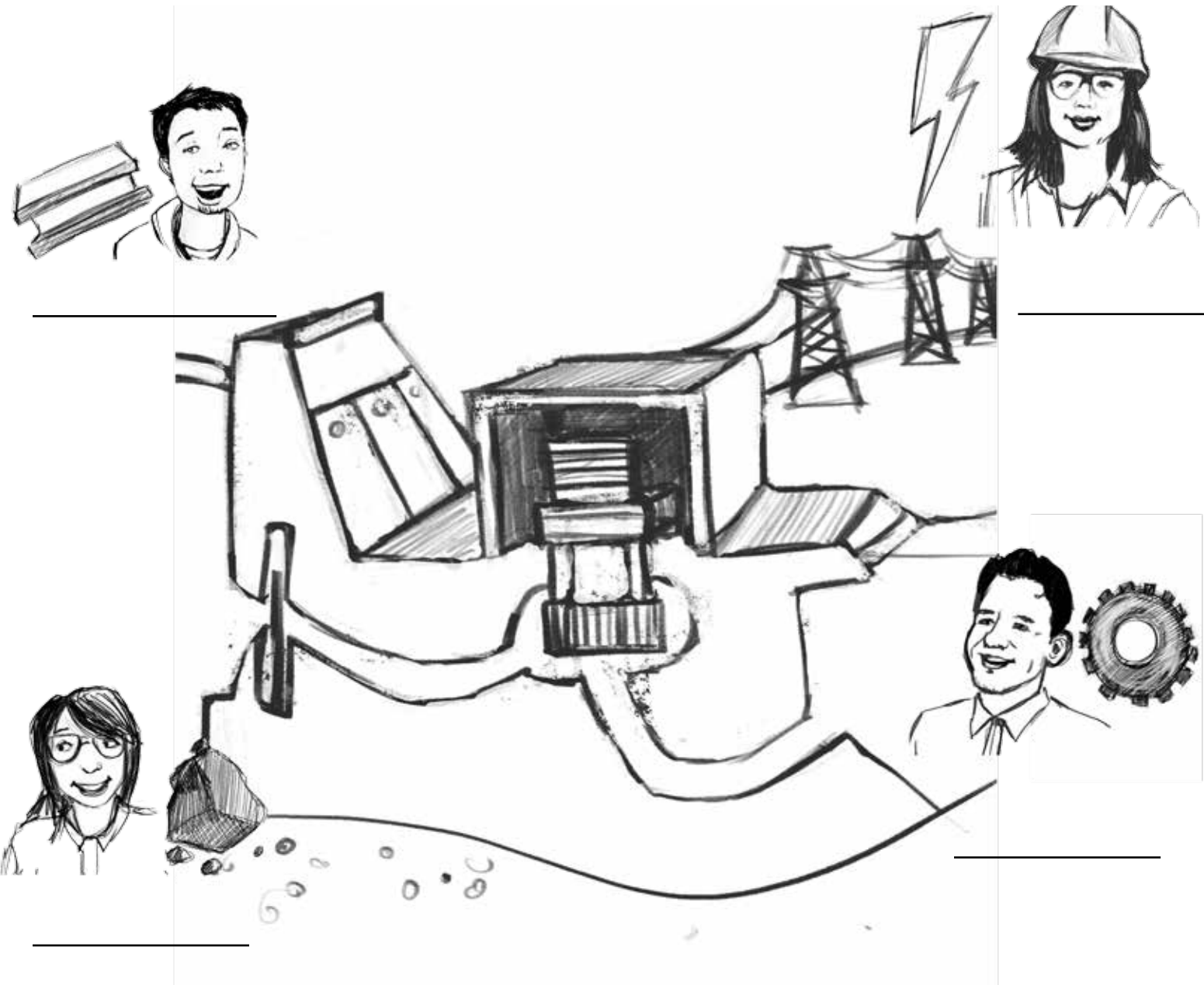
ISKOTEW KA OSIHTĀNIWIK



ASINIWI KIPAHIKANA



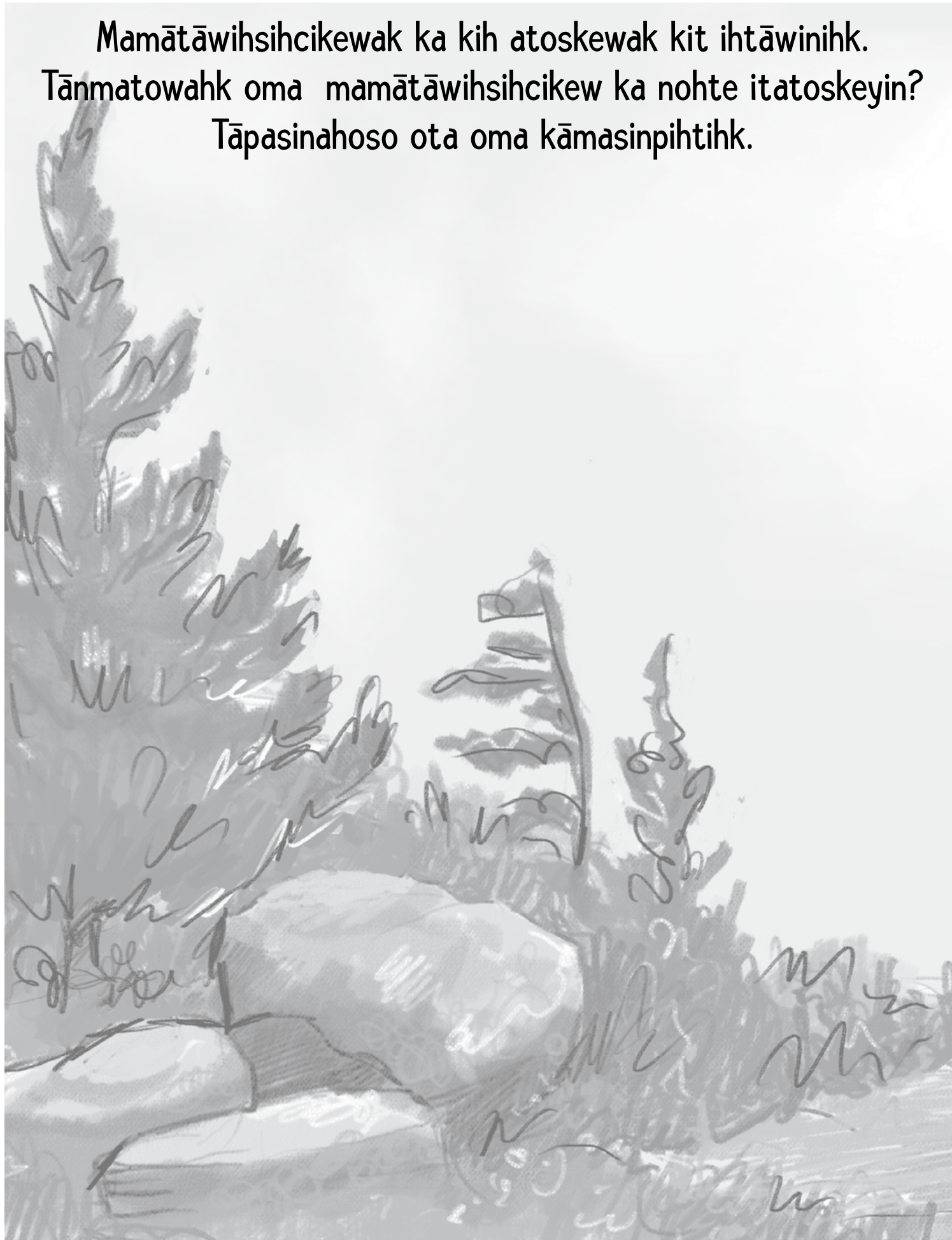
PEWĀPISKO KIPAHIKANA



Tāniwa awa mamātāwihsihcikew ka wecihiwet pā piski-
hc ohi ka osihtāht?
Masinaha wihowin cekih ita kā atosket.

Kipahikan oma iskotew ekota e-otinikātek.

Mamātāwihsihcikewak ka kih atoskewak kit ihtāwinihk.
Tānmatowahk oma mamātāwihsihcikew ka nohte itatoskeyin?
Tāpasinahoso ota oma kāmasinpihtihk.



Ewako oma masinahikewin Tānsi Mamātāwihsihcike-
wak Kā tohtahkik kā petamāskik oki:

The Joseph S. Stauffer Foundation



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