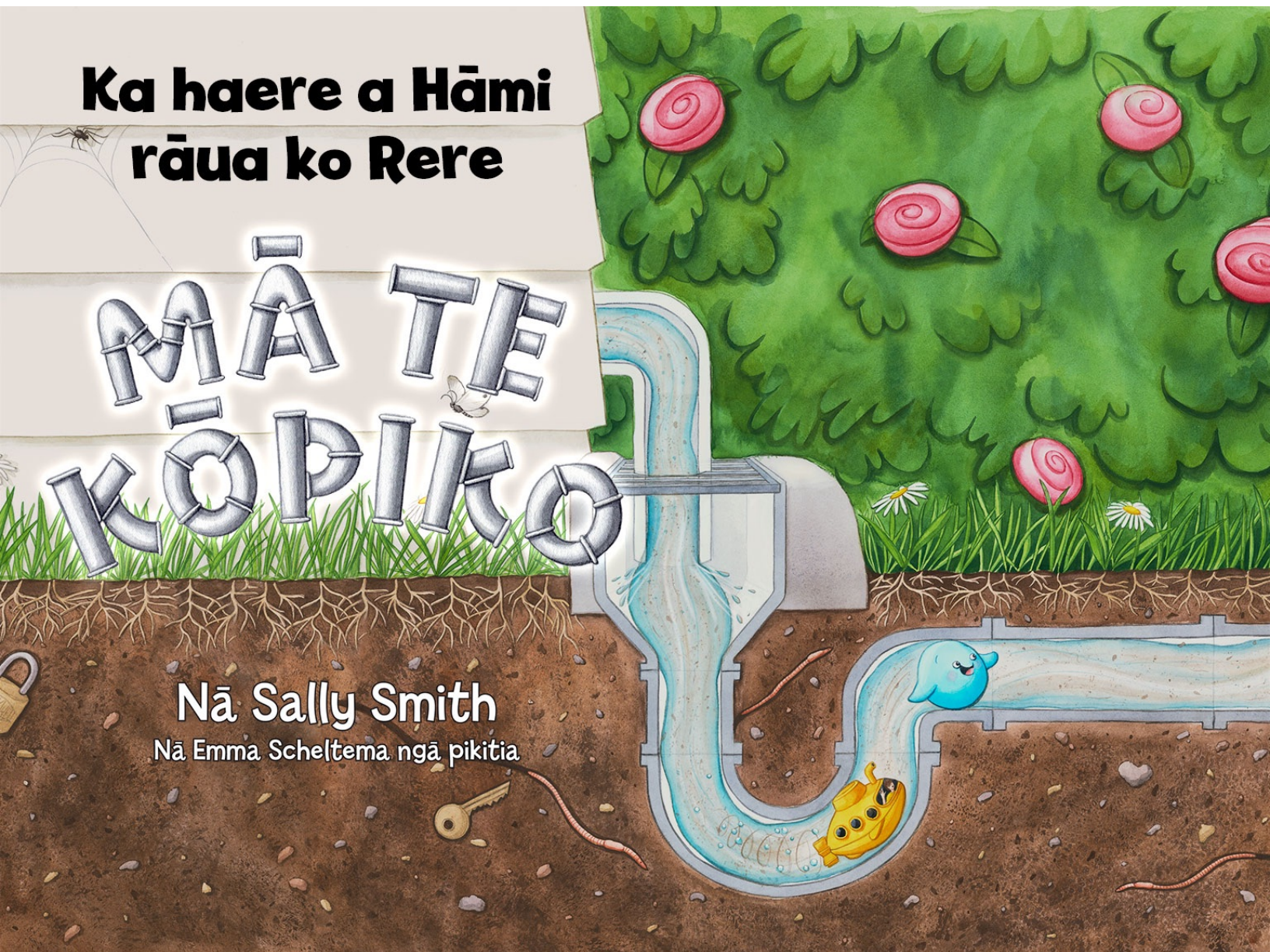


**Ka haere a Hāmi
rāua ko Rere**

**MĀ TE
KŌPIKO**

Nā Sally Smith

Nā Emma Scheltema ngā pikitia



Nau mai ki tēnei putanga
pānui tahi mō te Ka haere
a Hāmi rāua ko Rere mā te
.....



Pāwhirihia ngā
pātene Pānui-
.....



Ka pārekareka
hoki koe ki te kimi



Ka haere a Hāmi rāua ko

MĀ TE KŌPIKO



Nā Sally Smith

Nā Emma Scheltema ngā pikiti



Mā te hunga pākiki

Ngā Ihirangi

Te whakamahi wai i te

kāinga

4

Te wai paruparu i ngā rā o

mua

6

Ka ahu te wai paruparu ki

hea ināiane?

8

He aha tēnei mea te whare

whakamahi wai paruparu?

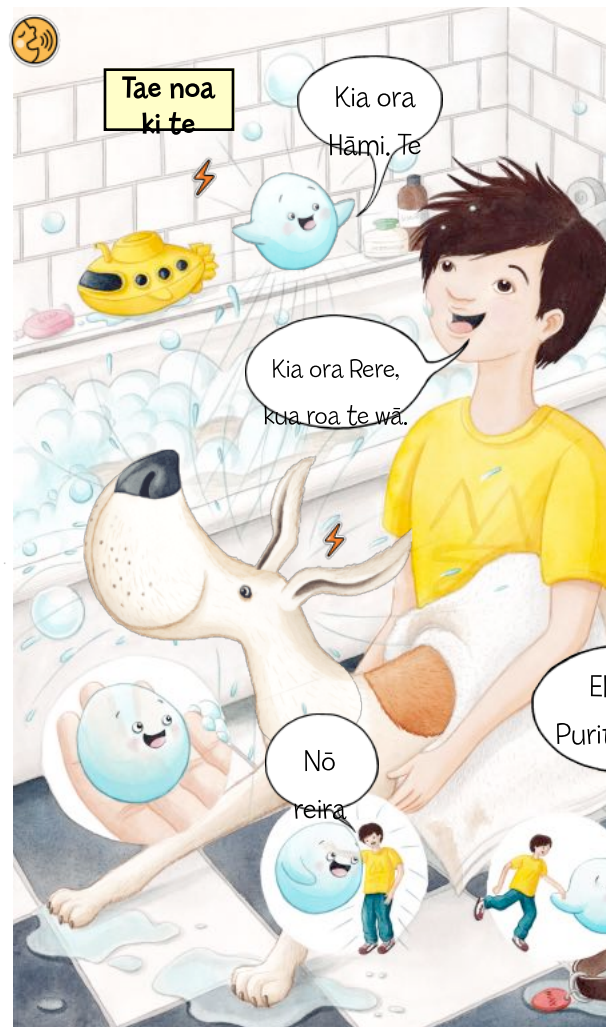
Kia o

Hāmi

Te whakamahi wai i te kāinga



Ko te wai kua whakamahia ka kīia he **wai paruparu**. Ko te nuinga he wai; ko te toenga he pararopi, pēnei i te para tangata i te toenga kai i te hinu



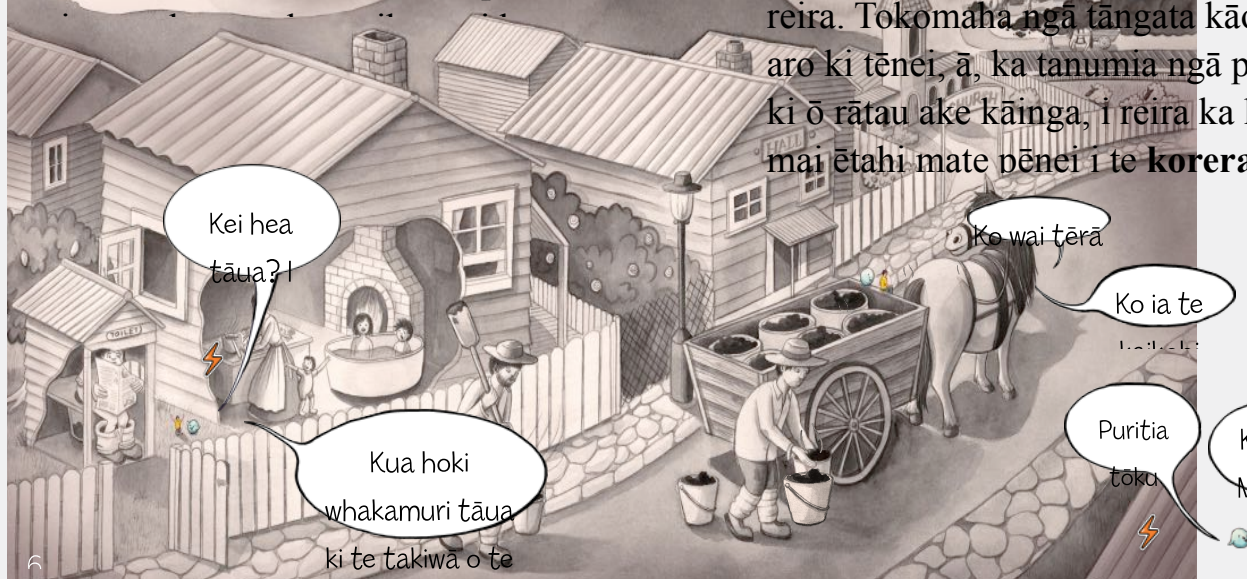


I ahatia naā bara i

I ngā tau 1800, i mua mai i te horapatanga o ngā heketua, ka whakamahia kētia he pākete i roto i tētahi **whareiti**, he wharau iti e tū ana ki te kāri. I ngā ahiahi pō ka tae mai tētahi **kaikohi hamuti i te pō** me tana hōiho me te kātā. Ka whakapiakotia e

Ki hea haere ai ngā

para katea i ngā rā o
Ka mahi ngā kaikohi hamuti i te
mai i te 10 i te pō ki te 5 i te ata
whakapiako ana i te pākete ham
ki ō rātou kātā. Ka haria ngā pai
tētahi **kōpapa hamuti** i te moka
te tāone. Ka tanumia te para ki
reira. Tokomaha ngā tāngata kā
aro ki tēnei, ā, ka tanumia ngā p
ki ō rātau ake kāinga, i reira ka
mai ētahi mate pēnei i te **korera**



Ka ahu te wai paruparu ki hea ināianeī?

Ka rere te wai paruparu mā te kōhao puoto ki ngā kōrere wai paruparu tūmatawhāiti kei tō whenua ake. Kua

E pai ana kia tuku i ngā mea katoa ki te heketua

Ko te whēru, ko te mimi, ko te tū anake ka tukua ki te heketua. Ko mea i tua atu i ēnei - arā, ko te m mākū, ko te kope waiwhero, ko t mīro nīho, ko te kope, me ngā m



He aha tēnei mea te whare whakapai wai

Ko te whare whakapai wai paruparu te wāhi e whakamāngia ai te wai paruparu kia kaua e pā kino atu ki te tangata, ki te taiao rānei.

Ka aroha hoki, he maha ngā whenua ka tuku kau atu ā rātou wai paruparu kāore

He haunga rawa te whare whakapai wai paruparu nei?

Kāo. Ko te nuinga o ngā tukanga ka puta he **haunga**, kua uhia. Ka unuhia ngā hau haunga i raro i



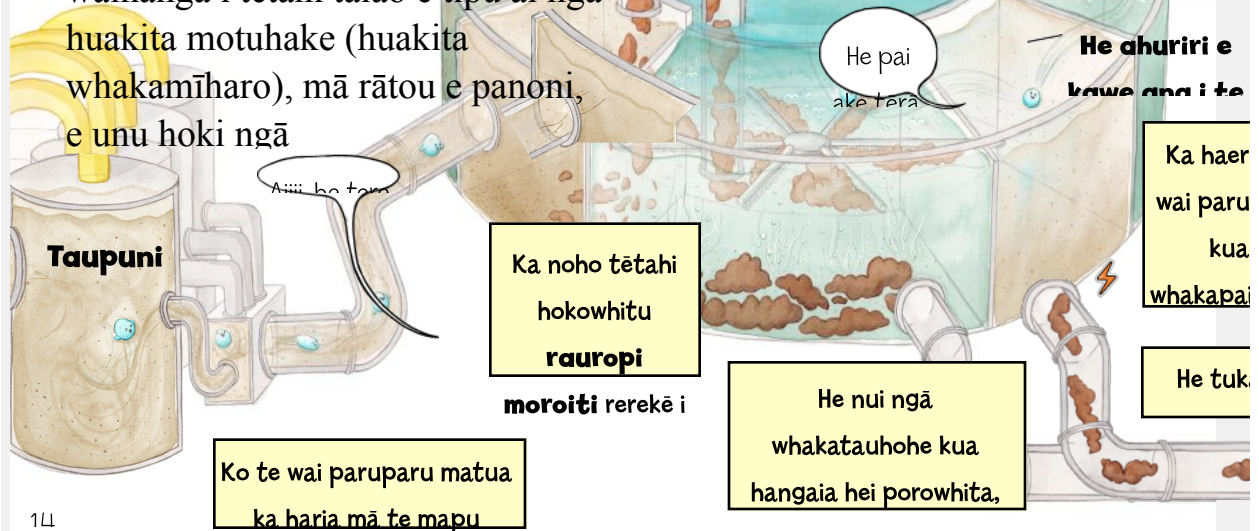
Ka ahatia te wai paruparu i tana hāereere haere mā te whare whakapai wai paruparu?

Ko te whare whakapai wai paruparu ka whakamahia ngā **tukanga pūrere**, **tukanga koiora** hei unu i ngā para o roto i te wai. Ka whakawehea te wai

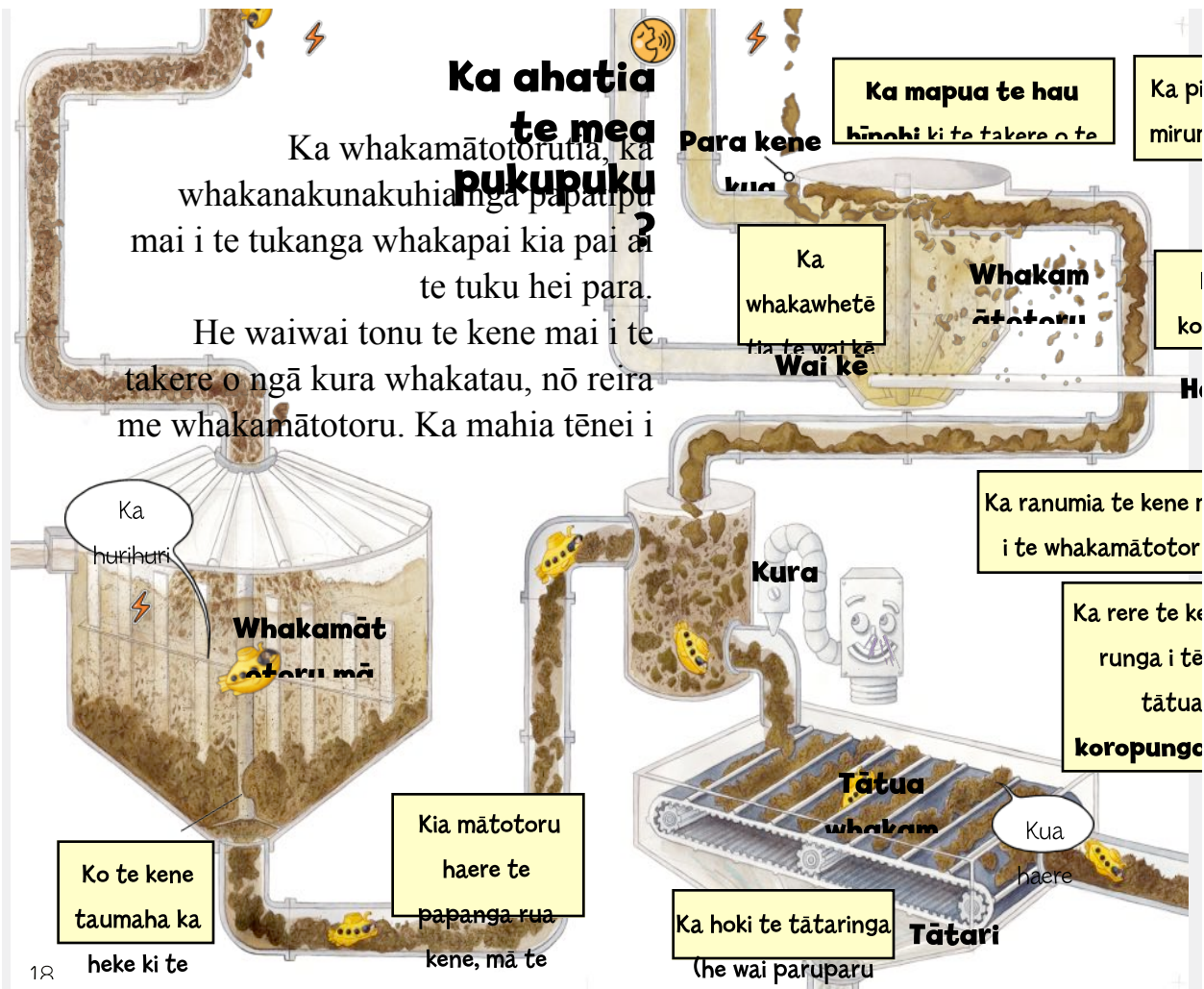


Me pēhea e unuhia ai ngā mea kino, ngā mea patu tangata i te wai paruparu?

Ko te wāhanga tuarua o tēnei tukanga, ka tū ki roto i te whakatauhoho/whakamahea. Koinei te wāhi ka whakamahia te **whakahau** me nga mapu ki te waihanga i tētahi taiao e tipu ai ngā huakita motuhake (huakita whakamīharo), mā rātou e panoni, e unu hoki ngā







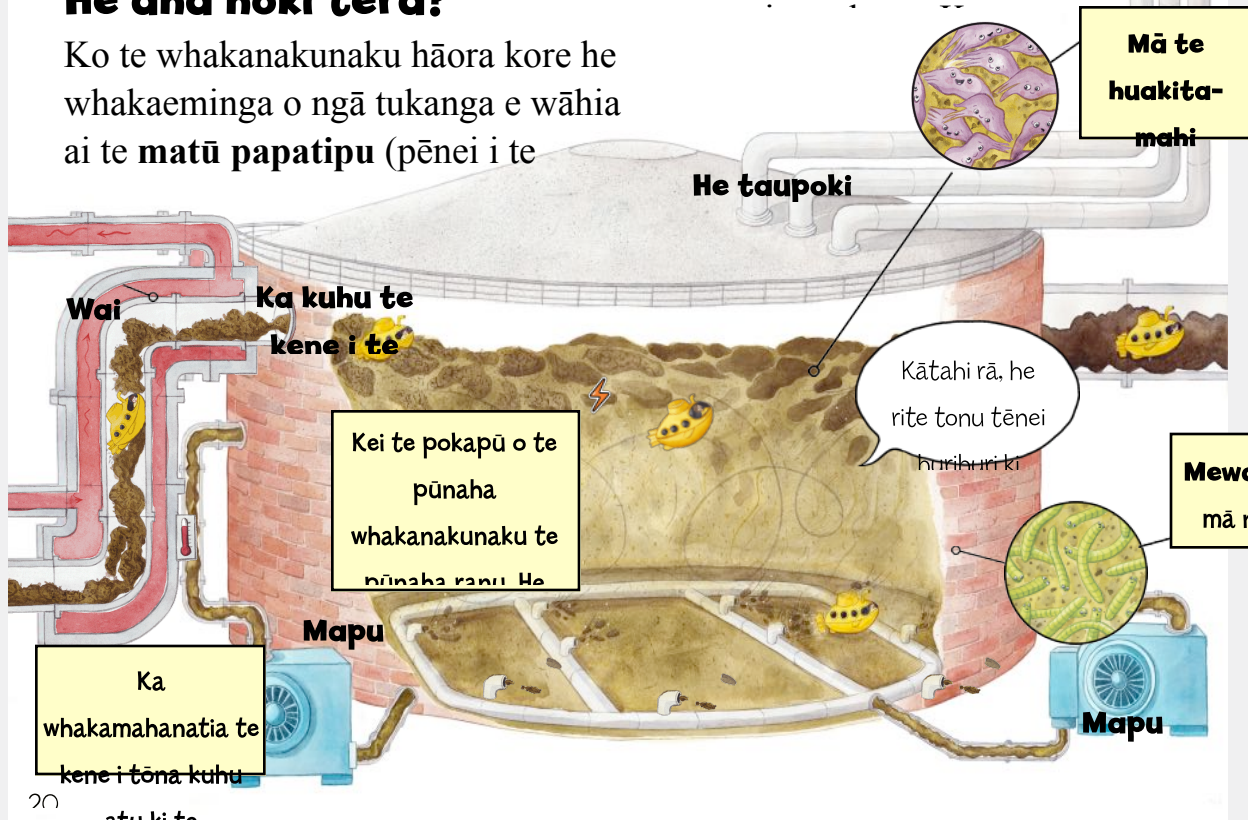
Whakanakunaku hāora kore!

He aha hoki tērā?

Ko te whakanakunaku hāora kore he whakaeminga o ngā tukanga e wāhia ai te matū papatipu (pēnei i te



Ka noho te kene ki te whakanakunaku mō tōna nei 20 rā I roto i tēnei wā, ka hauruatia te



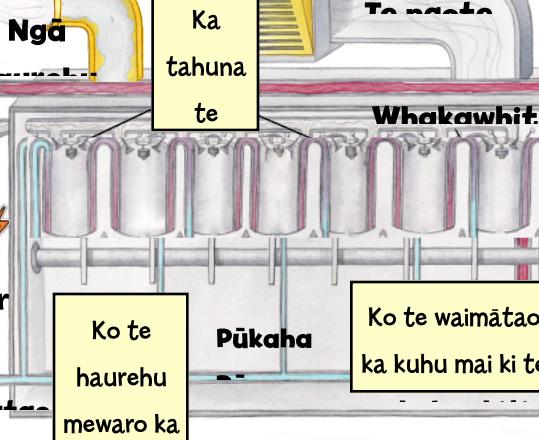
Ko
papā
mōhi



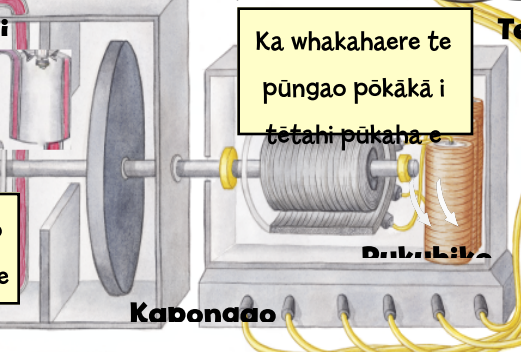
Ka haria at

E taea ana te whakamahi i ngā matū ka puta i te whare whakapai wai paruparu kia whaihua?

Ko te totoka koiora, he pararopi papatipu ka puta i ngā mahi whakapai wai paruparu. Nā te mea he tāiora hoki, ka kuhu mai ngā



Ko te hiko ka puta i te tahunga o te haurehu mewaro i roto i te pūkaha pūngao rua ka whakamahia hei whakapai i te wai paruparu anō. Mā konei e iti iho ai te hiko ka tīkina atu i te pūnaha ā-motu. Ko ētahi o te hiko o te pūnaha ā-motu ka puta i te tahu waro, i te tahu haurehu hoki. Mā tēnei e puta ai he hauhā ki te kōhauhau, i reira ka





**Ko te whēru, ko
te mimi, ko te
tūtae anake ka**

Tōia ngā
mea ki te
pocketu

**Ka haere te
aha ki hea?**

Ka whakawehe tika koe i



Naā pātai hei

1. Ka pai ki a koe te mahi hei kaikōpara hamuti i te pō?
2. Ki ō whakaaro, he aha a Hāmi i haere ai mā runga waka whakatake mā roto i te whare whakapai wai

Toro atu ki

KUPUTAKA

Ā-hāora - E ora ana, e mahi ana, e kitea noatia ana rānei i ngā wāhi kei reira te hāora.

Ahuriri - He pātū hahaka tōna rite hei ārahi i te rere o te wai.

Ara nekeneke - he tātua koropungapunga he rite tonu te neke hei kawē haere i ngā kene.

Ara nekeneke - He mea ka kawē i ngā matū mai i tētahi wāhi ki tētahi atu.

Ārai - He tātari pūrere e unuhia ai ngā mea rahi, pēnei i te maramara kākahu, i te pepa, i te kirihou, i te konganuku hoki.

E.coli - He huakita ka kitea nuitia i ngā kōpiro o te tangata me ngā kararehe. Mā ētahi momo e pā ai

He whakawhiti pōkākā - He pūrere whakawhiti wera i waenga i ētahi wē e rua, neke atu ranei. E taea ana te whakamātao, te whakawera rānei.

Hihi katikati - Ko ngā ia aho ka ahu mai i te rā.

Huakita - he rauropi pūtautahi iti rawa ka kitea i ngā wāhi katoa (te hau, te oneone, te kiri). He nui ngā huakita e pā ai te mate ki te tangata, engari arā anō ngā huakita ka āwhina i te tangata.

Hurihuri - He huri porohita i tētahi pokapū pūmau.

Ipu riringi - he ipu ka whakamahia kia riringi tētahi matū ki tētahi pūrere, ki tētahi āputa rānei.

Koropungapunga - He kōhao roto e rere ai te hau, te wai rā mā roto.

Kōwiri hurihuri - He kōwiri e whakanekehia ai ngā papatipu roto i te pūrere whakawaho.

Maramara - He toenga para.

Matū pararopi - He tipu, he kararehe rānei kua mate. Wai ko ngā moroiti ora, me ngā wāhanga ora o tētahi tipu, p te pakiaka.

Mewaro - He wairehu kore tae kakara, he māmā ake i te hau

Mōkitokito - He mea iti rawa e kitea ki te kore e whakamah karu whakarahi.

Moroiti - He mea ora mōkitok

Para kene kua whakanakunakuhia

- Te wāhanga o te kene kua whakanakunakuhia ka unuhia kia noho taurite ai te pūnaha koiora.

Parakaingaki - He para pēnei i te mimi, i te hamuti, i ngā wai paru rānei o ngā wheketere me ngā kāinga ka rere atu mā ngā kōrere wai paruparu.

Patuerohia/patuerotanga - Te tukanga e whakamāngia ai ētahi mea kia patua ngā moroiti tahumaero.

Protozoa - He mea koiora pakupaku pūtautahi. Nā te pakupaku rawa, ko te nuinga ka kitea mā te haru whakarahi anake.

Pūkaha Pūngao Rua - He pūkaha e tahuna ai he kōra e puta ai he

Rauropi moroiti - He rauropi paku rawa, ina koa he huakita, he protozoa, he huaketo.

Rewa-kore - He mea e kore e tere wāwāhi ina tukua ki te wai.

Rua kerī toka - He wāhi (i te nuinga o te wā he rua nui, rua hōhonu), e tangohia ai ngā toka, he matū kē atu rānei.

Taihua - He wāhi haupunu hei pupuri i ngā wai kua whakapaihia kia pari haere mai te tai.

Taiora kaha - He warowaihā, he pūmua, he hinu, he huaora, he kohuke, he weu o roto.

Taipō - He mate ka hua mai i te huakita. Ka pā mai mā te kai me te inu ua tāhawahawatia. Ka pā mai te

Waerau - He rāpoi ngota roa, r kua hangaia hei mekameka e t ngā wāhanga. Mā te honohono e hono ai ngā rāoi ngota ki ngi ngota ōrite, hanga rite rānei e hangaia ai ngā waerau nei.

Wāhanga - He wāhi motuhake.

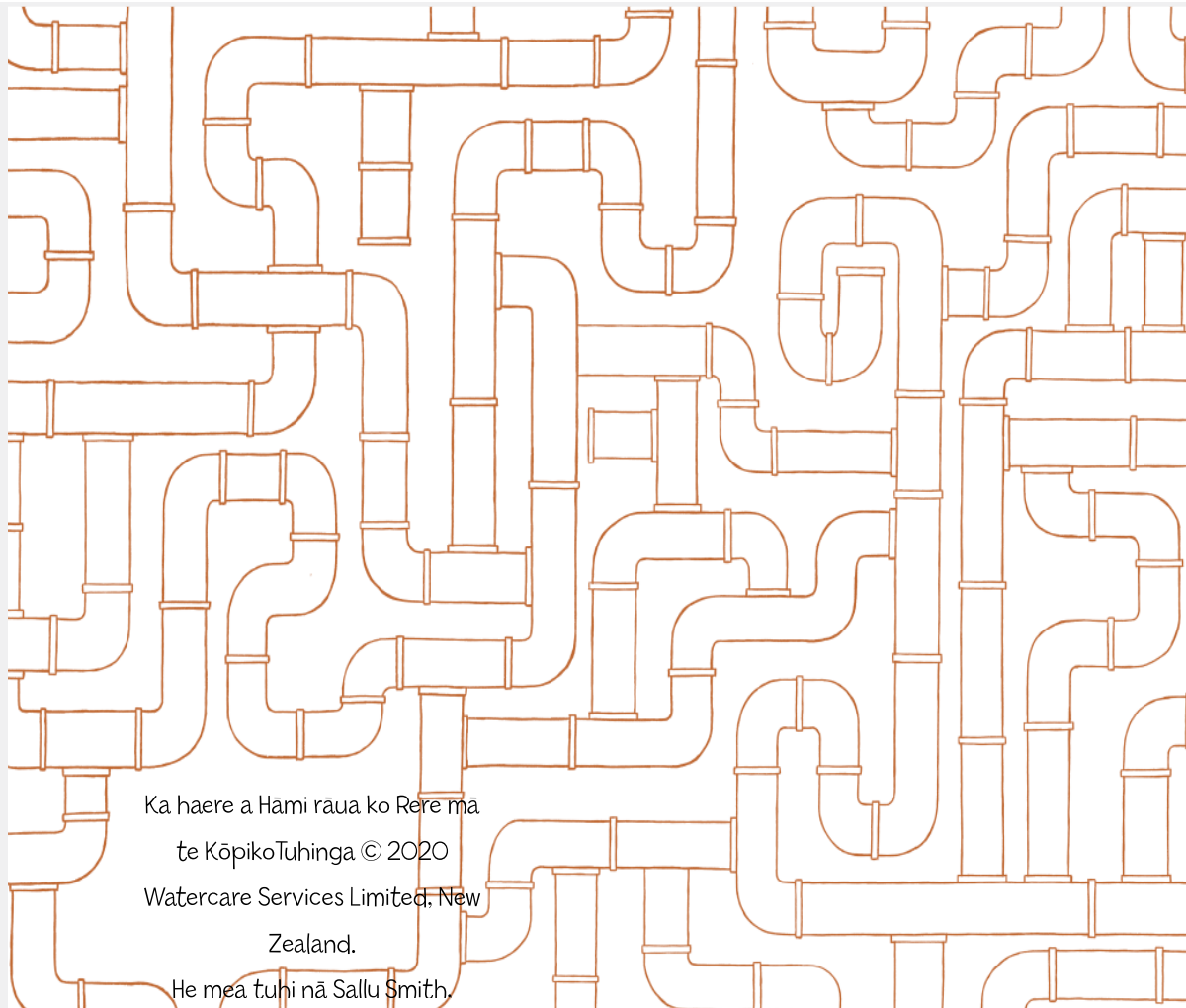
Wai paruparu - He wai kua pari mahi a te tangata.

Waikawa - He matū he kawa ne rongo, ā, he wē e whero ai te t waikawa kahurangi.

Waikore - Kia unuhia te wai.

Waka whakatakere - He momo ka tere i runga, i raro hoki i te t te wai.

Wē - He matū ka rere, ā, e tae riringi. He rite tōna āhua ki te i



Ka haere a Hāmi rāua ko Rere mā
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He mea tuhi nā Sallu Smith.