



He Hautaka Akoranga

Arotake Maataitai

Too Ingoa

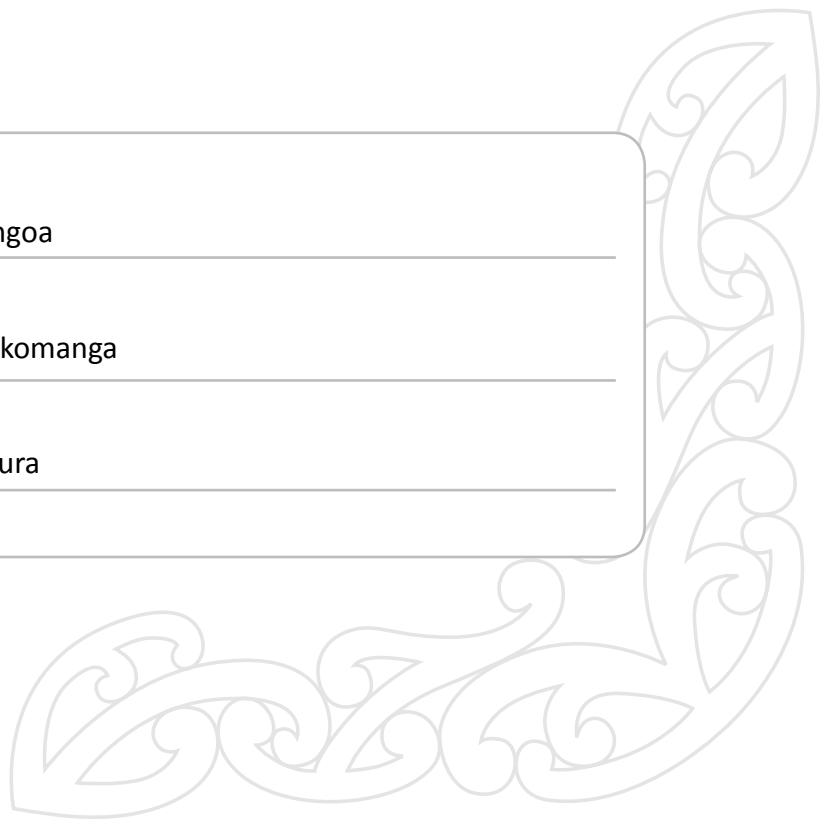
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Too Akomanga

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Too Kura

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## Hauraki Gulf Forum

Tikapa Moana

Teena koutou katoa.

Ko taa te Huihuinga o te Moana aa-Tiikapa he whakatairanga, he whakapuare i te huarahi moo te aata tiaki, moo te aata whakahaere tikanga moo te Moana aa-Tiikapa, moo oona moutere me oona kaauru wai. Ina raa oona mema: Ko ngaa kanohi o te tangata whenua, te Kaunihera aa-Rohe o Taamaki-makau-rau me Environment Waikato, ngaa Kaunihera o Taamaki-makaurau, o te Raki-paewhenua me Waitakere, ngaa kaunihera aa-rohe o Franklin, Hauraki, Matamata- Piako, Rodney, Thames-Coromandel me Waikato, Te Minita moo te Papa Atawhai, Te Minita moo Ngaa Take Maori me Minita moo Te Tautiaki i ngaa Tini o Tangaroa.

Tirohia [www.arc.govt.nz/haurakigulfforum](http://www.arc.govt.nz/haurakigulfforum) moo eeteahi atu koorero.



Naa Christy Ralphs o Peteke teenei rauemi i tuhi  
'he matauranga aa-wheako e toituu ai te mauri-ora moo  
aapoopoo' [www.pateke.co.nz](http://www.pateke.co.nz)

# Te Arotake Maataitai

E hia kee oo moohiotanga inaiane? Kia kaha koe ki te tuhi i teetehi 'whakamaarama tuatahi' mo nga kupu matua i raro iho nei. Maau e whakakii nga 'whakamaarama tuarua' aa taihoa ake nei.

Kupu	Whakamaarama Tuatahi
aa-moana	
maataitai	
anga-kokopi	
ngata moana	
tirohanga	
arotake	
tangotango	
kaimoana	
puunaha rauropi	
whaanuitanga koiora	
tiipoka	
taatari	
parataiao	

Kupu	Whakamaarama Tuarua
aa-moana	
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tirohanga	
arotake	
tangotango	
kaimoana	
puunaha rauropi	
whaanuitanga koiora	
tipoka	
taatari	
parataiao	

# Maataitai

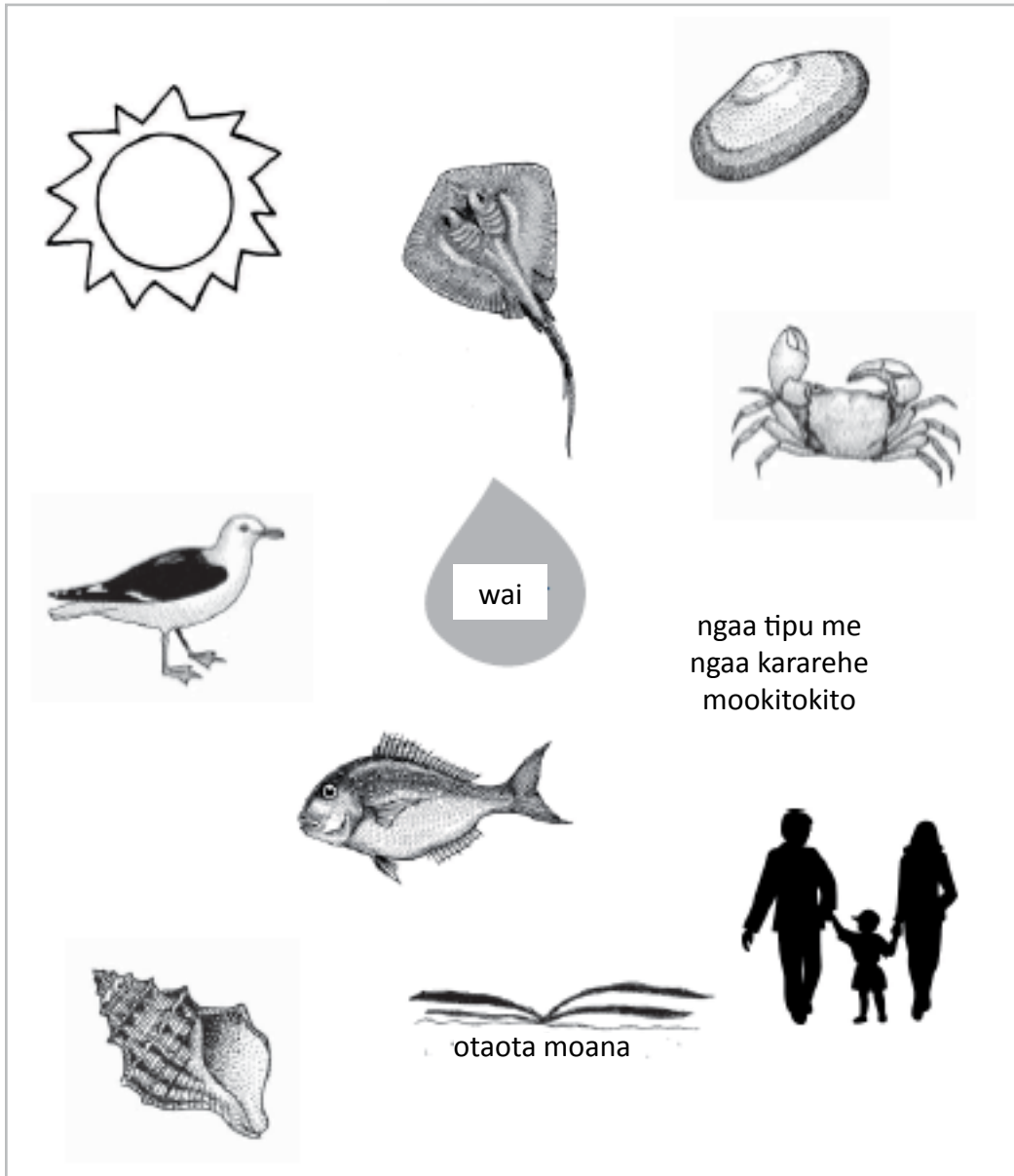
1. Maahia he raarangi e kitea ai ngaa aawhina katoa i ahu mai i te whaaina anga, moo teenei mea te maataitai.

2. Whakaraarangitia ngaa maataitai rerekee katoa e moohio ana koe, ka tuhi ai ki te anga i raro iho nei.



# Puunaha Rauropi aa-Moana

Whakaaturia ngaa ara kai, maa te tuhi raarangi e kitea ai ko wai ka whakamahi/kai i te aha.



# Te Whaanuitanga Koiora aa-Moana

Taku whakamaarama:

Hangaia he ruri moo te whaanuitanga koiora maa te tiimata ia raarangi ki ngaa puu i raro iho nei.

W  
H  
A  
A  
N  
U  
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A  
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G  
A  
K  
O  
I  
O  
R  
A

# He aha teenei mea te Tuutohu Taiao?

Whakakiiia ngaa waahanga i raro iho nei maa te whakamahi i ngaa kupu e whai ake nei:

rerekee      aata inea      aa-moana      tuutohu

Ko teenei mea te tuutohu taiao he mea hei 'waitohu' meenaa kua rerekee haere teetehi mea. He maha ngaa momo tuutohu.

Ina whakamahia teetehi kararehe, teetehi tipu raanei ka kiiia teeraa he 'momo tuutohu'. He mea nui te maataitai i eetehi waa hei momo tuutohu moo te taiao.

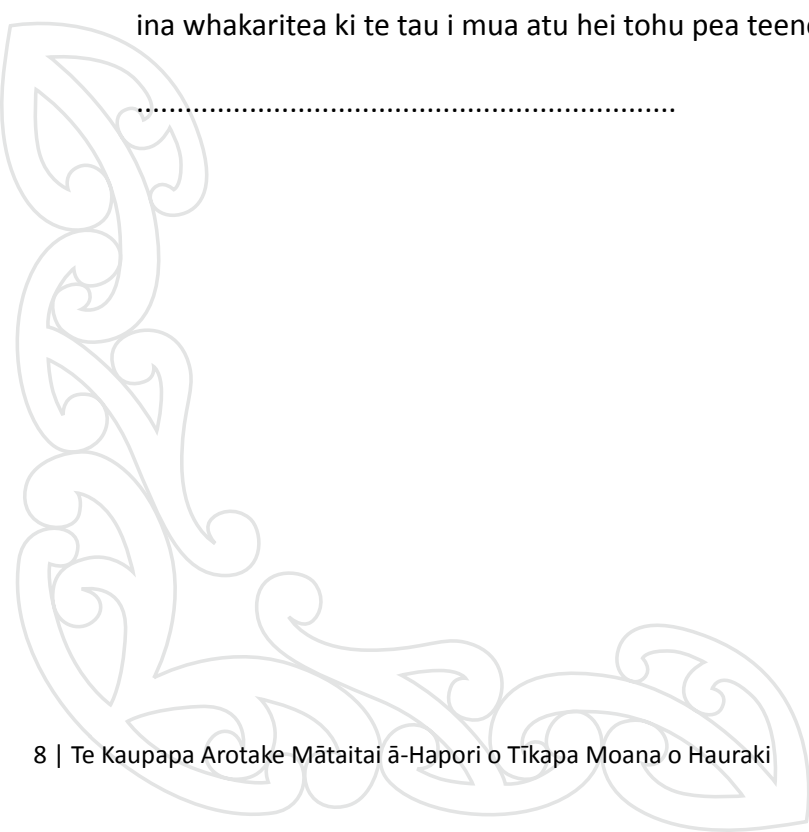
## He maha tonu ngaa mea ka akona e taatou i te maataki maataitai!

Kia kaha koe – whakamahia ngaa maataitai hei tuutohu taiao!

Mehemea he iti iho ngaa maataitai i teetehi takutai ina whakaritea ki te tau i mua atu hei tohu pea teenei .....

..... Mehemea he maha ake ngaa maataitai i teetehi takutai ina whakaritea ki te tau i mua atu hei tohu pea teenei .....

.....





# He mea nui te Maataitai!

Whakakiiia te tuutohi i raro iho nei ki ngaa take e kiia ai he mea nui te maataitai.

Take Nama 1:

Take Nama 2:

Take Nama 3:

Take Nama 4:

# Nga Moorearea ki nga Maataitai

He aha teenei mea te moorearea?.....

.....

Tuhia he raarangi hei whakahaangai i ia moorearea ki toona tukunga iho

## Moorearea

## Tukunga Iho

Te muru: he maha rawa nga maataitai ka kohia e te tangata

Ka hee pea te whakahaa o te maataitai. Ka pooturi pea te tupu o nga tupunga kai a te maataitai.

Te kuuteretanga parataiao: nga oneone mai i nga keringa whare ka tiiehutia atu ki te wai i nga mahi a Parawhenuamea, araa, ina heke te ua

He taaoke maa nga maataitai. Ko nga taaoke i nga maataitai ka noho hei take moo te ruaki me te koorere taumaha i te hunga kai i aua maataitai.

Ko te tuukinotanga aa-matuu mai i nga puunaha wai aawhaa, tae atu ki nga aapitihanga mai i nga puhanga motokaa, me nga kauorotanga taea, puukaha hoki.

Ki te iti haere tonu nga maataitai – aa toona waa e kore pea e noho mai ki reira ake ake tonu atu

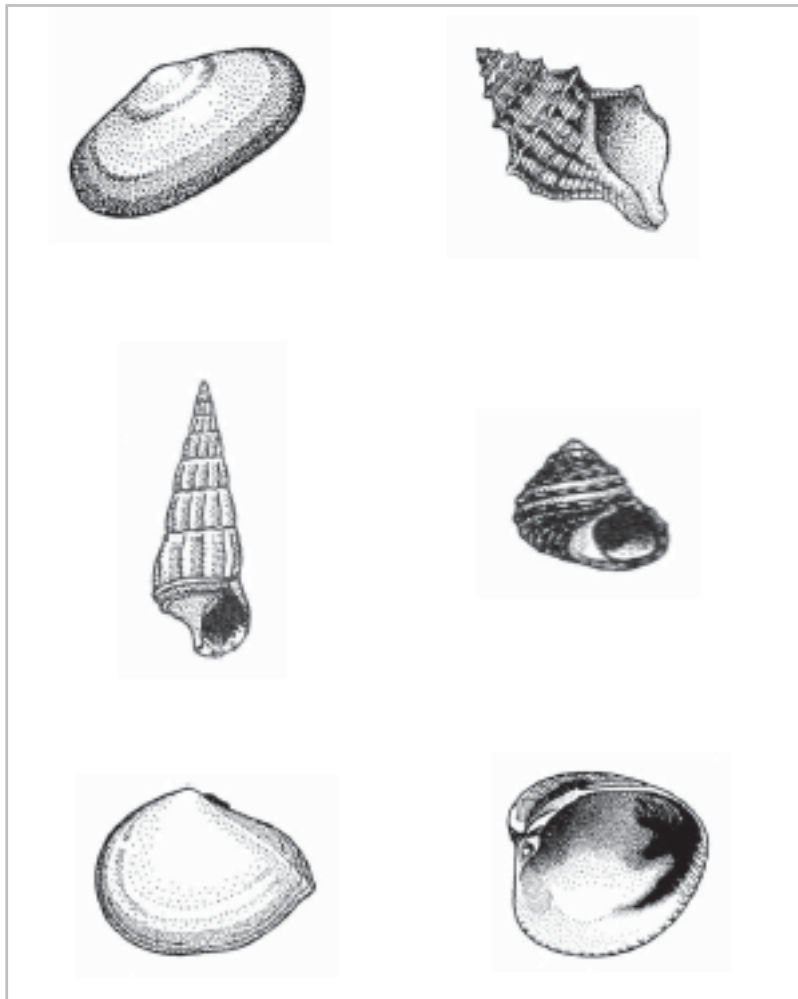
Te parakaingaki: nga maringitanga kura parakaingaki, paipa hamuti raanei ki te moana

He taaoke maa nga maataitai.

Ki te pokea nga maataitai teeraa pea ka raru te hunga kai i aua maataitai i nga mate o te kai kino.

# Whakaingoatia eenei Anga

1. Tuhia te ingoa Paakehaa, te ingoa Maaori me te ingoa puutaiao ki raro i ia pikitia.
2. Porohitia ngaa anga-kokopi.

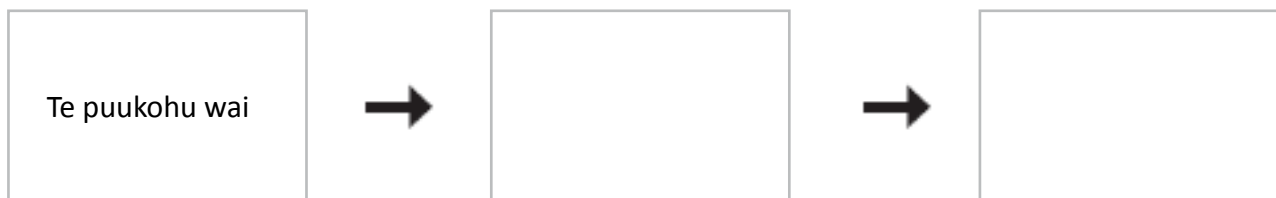


# He Aha ngaa Kai a teenei Mea te Maataitai?

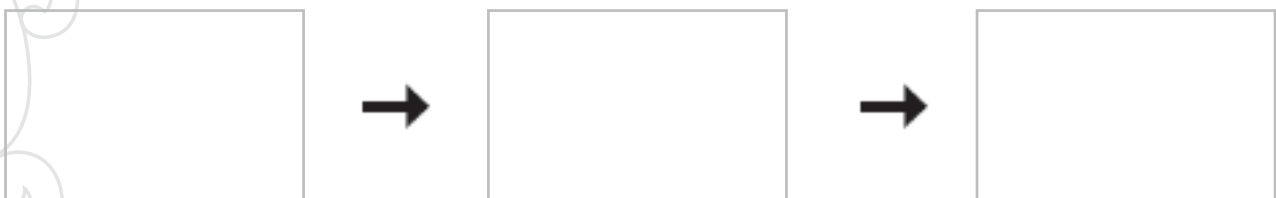
Rangahautia ngaa maataitai i raro iho nei kia moohiotia ai he aha aa raatou kai, ka whakakii ai i te tuutohi.

Ingoa	Ka kai i
Te matangongore	
Te tuangi	
Te pipi	
Te kaakara	
Te koeti	

Whakaotingia te taahuahua kai e whai ake nei maa te whakakii i ngaa pouaka puare ki eetahi maataitai e rua, mai i eeraa i runga ake nei.



Hei taki atu anoo: Ka taea e koe te hanga taahuahua kai maataitai rerekee? Whakamahia ngaa pouaka i raro iho nei.



# He aha teenei mea te Tirohanga Maataitai?

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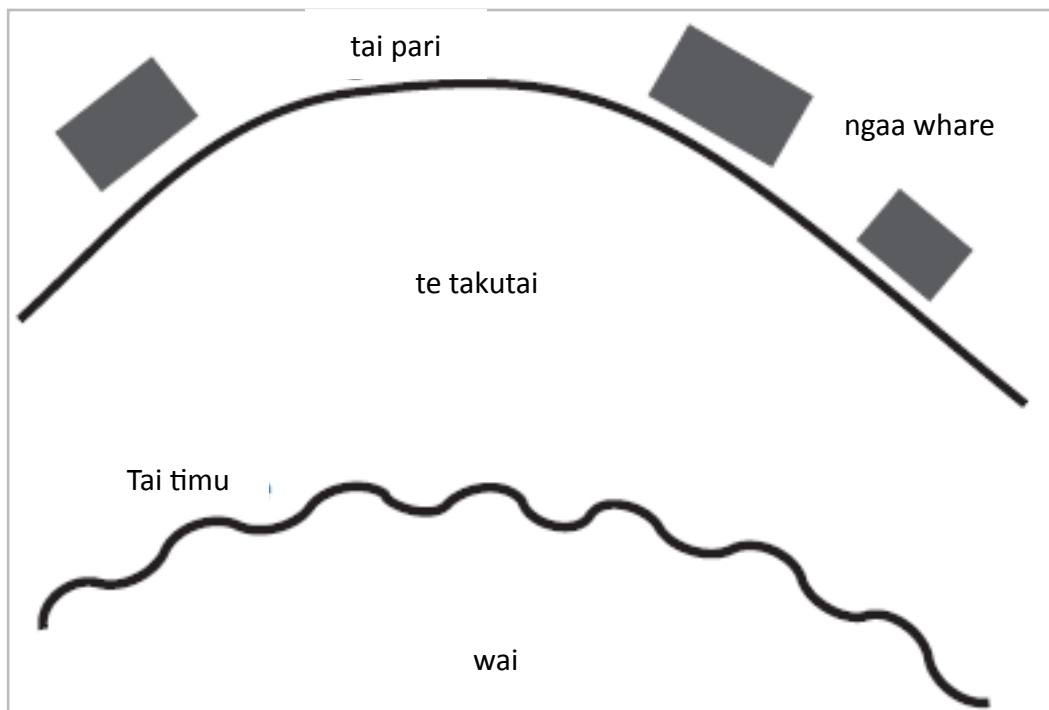
He aha teenei mea te taatauirā?

.....  
.....

He aha teenei mea te tiipoka?

.....  
.....

Ina i raro iho nei he tirohanga aa-manu i teetehi takutai. Me pohewa kei te haere koe ki te tiro tiro i te takutai moo oona maataitai. Tuhia te tauwaahi o ngaa raina tiipoka whakarara e ono ka whakaritea e koe.



# Nгаа Taputapu Tirohanga

Me whakaharatau te whakamahi i ngaa taputapu i te akomanga kia noho ai koutou hei tohunga i te takiwaa mahi!

Tuhia ngaa ingoa, tuhia he pikitia raanei o eetehi taputapu e toru i whakamahia ai e koutou.

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Ko teehea te taputapu uuaa rawa ki te whakamahi? He aha ai?

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He aha teenei mea te hapa taatauiria?

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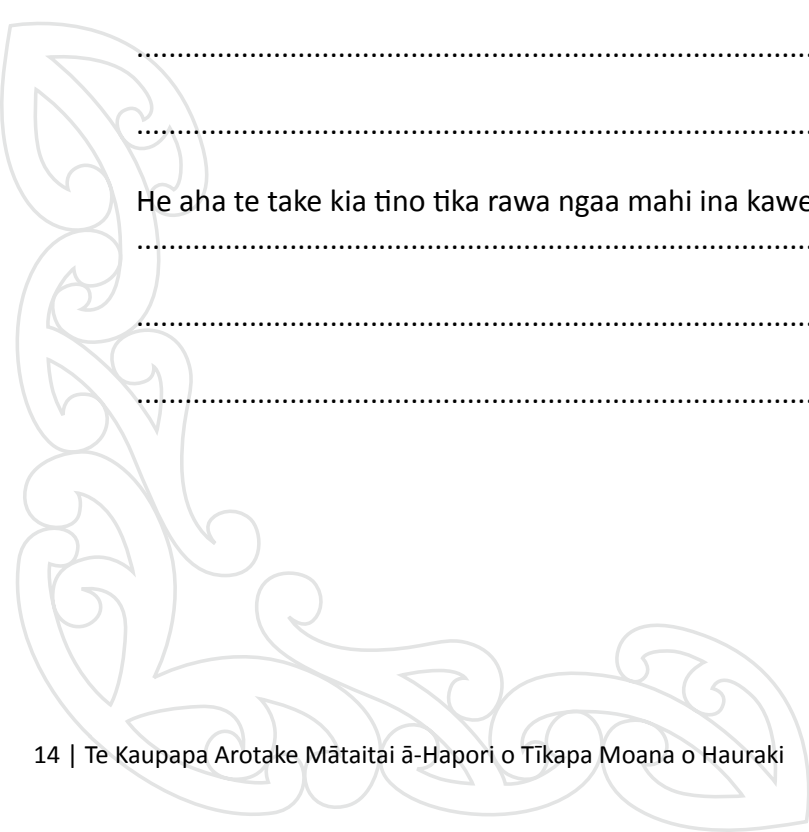
.....

He aha te take kia tino tika rawa ngaa mahi ina kawe koe i teetehi tirohanga?

.....

.....

.....



# Puka Raraunga Takiwaa Tirohanga Maataitai Whakaharatau

Te Raa:

Te Kura:

Te Ingoa o te Kaituhi:

Key Species:

mm	<5mm	5-<10	10-<15	15-<20	20-<25	25-<30	30-<35	35-<40	40-<45	45-<50
A	E	I	O	U	HA	KA	MA	NA	PA	
Kaute										
Tapeke										

Nгаа Momo	Te tuangi	Te pipi	Te hanikura	Nucula hartvigiana	Te whaangai karoro	Te matangongore	Te koeti
Te kaakara							

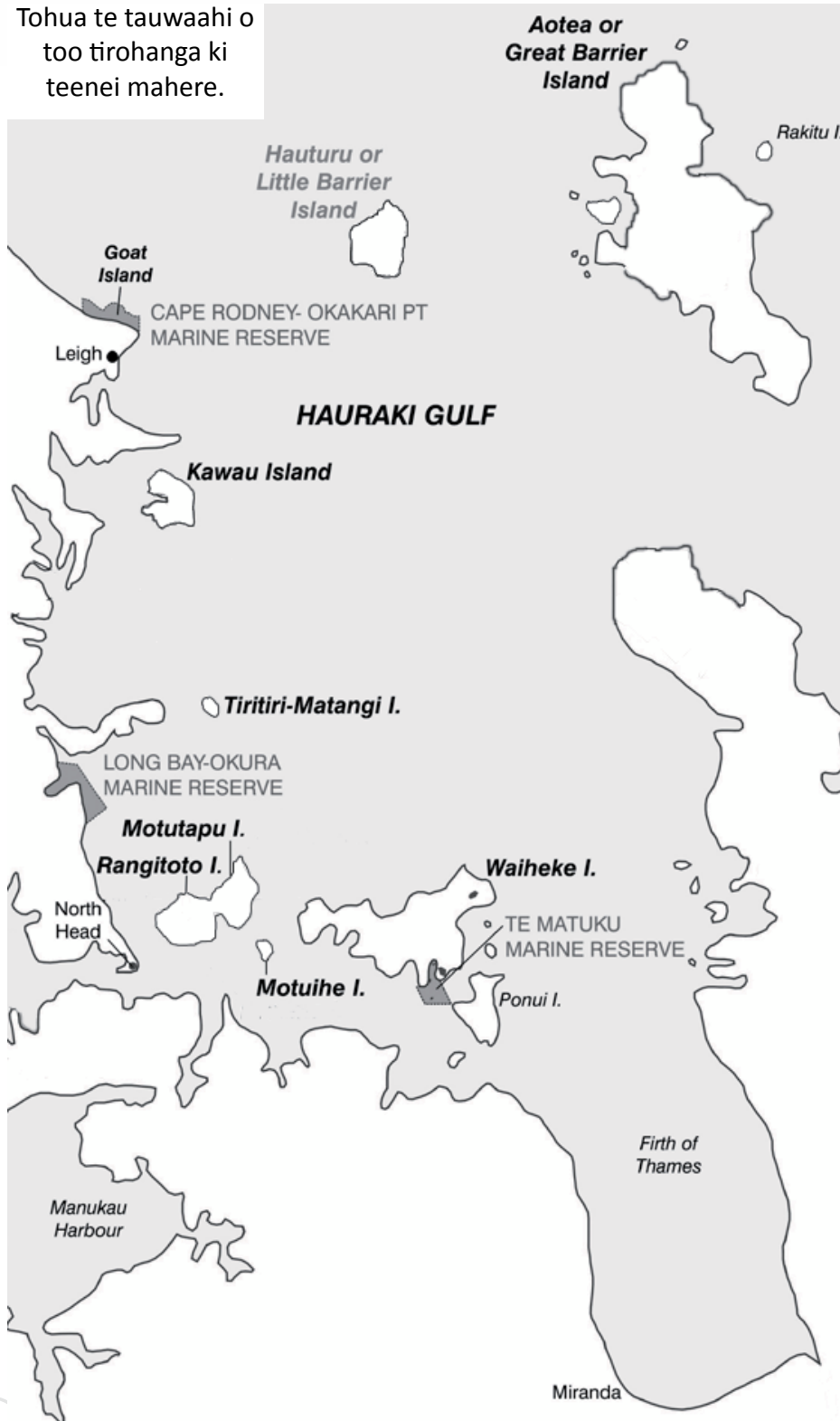
# Tirohanga Takiwaa

Te Raa:

Te ingoa o te takiwaa tirohanga:

He whakamaarama moo te waahi noho moana (Ina koa, te takutai one, te puuau koehu):

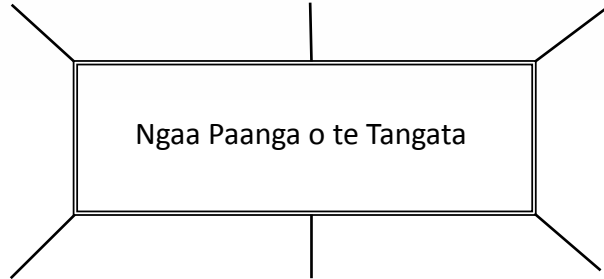
Tohua te tauwaahi o  
too tirohanga ki  
teenei mahere.





# Nгаа Paanga o te Tangata

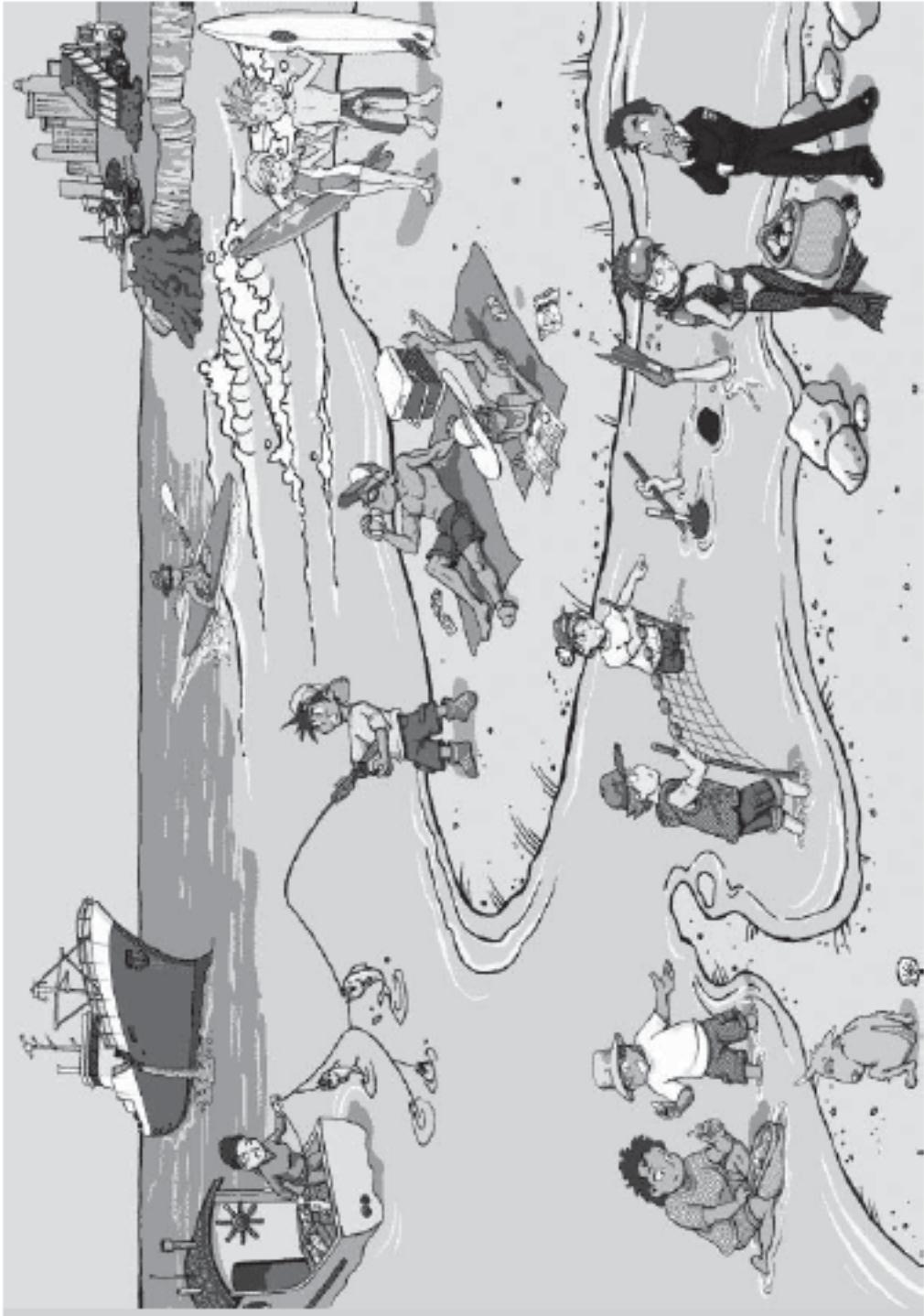
Ohia manomano moo te paanga o te hunga tangata, ngaa hurihanga hoki kua kitea, i too rohe tirohanga. Hei aawhina te pikitia i te whaarangi e whai ake nei, i a koe.



Porohitatia eena he pai, ki oo whakaaro.  
Tapawhaatia eeraa he kino, ki oo whakaaro.  
Ko eetehe he pai, he kino anoo hoki!

Koowhiria kia rua oo paanga, mai i eeraa i runga ake nei, ka whakakii ai i te ripanga i raro iho nei

Te Paanga	Te paanga ki ngaa koiora moana



# Nгаа Raraunga

He aha te tikanga o teenei kupu 'raraunga'?

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He aha ngaa raraunga i kohia ai e koe i te tirohanga maataitai?

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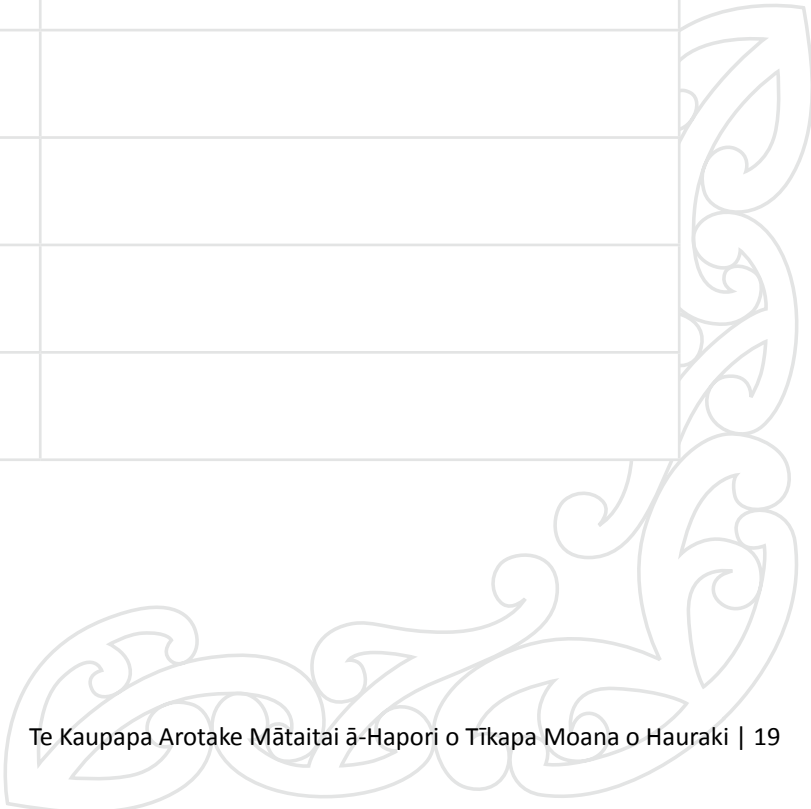
.....

Ko te mahi nui o muri mai he whakahiato i ngaa raraunga katoa, ina koa i te ripakaute rorohiko.

Tiimata maa te whakakii i te mahere i raro iho nei.

Nгаа Momo Maataitai e Noho ana i.....

Ingoa Momo	✓ / X
Te tuangi	
Te pipi	
Te hanikura	
Te matangongore	
Te kaakara	
Te matangongore	
Te koeti	





# AA Maatou Koorero Whakamutunga mai i te Tirohanga Maataitai.

He aha eeteahi o ngaa mea i kitea ai e koe moo ngaa momo, moo te maha, me te rahi o ngaa maataitai i too tirohanga? I muri i too whakaoti i too taatari raraunga, tuhia eeteahi whakaaro whakamutunga moo ngaa raraunga i te waahi i raro iho nei.

Whakatau Mutunga Tuatahi

Whakatau Mutunga Tuarua

Whakatau mutunga Tuatoru

# He Wīra Tukunga Iho

Nгаа mahi pea hei aawhina:

Tukunga Iho

Moorearea ki ngaa  
Maataitai

# Aromaatawaia he Mahi

4: Ngaa mea kino

1: Tuhia too whakaaro  
moo teetehi mahi ki konei

3. Ngaa mea papai



2: Tonoa eetahi taangata 4-5 kia  
whakawaa raatou i too whakaaro  
maa te homai i teetehi ripeka i te pae  
i raro iho nei



5: Ngaa rongooa/He Whakaaro Hou/  
He aha oo mahi aa muri nei

# Kaitiakitanga

He aha te tikanga o te kupu 'kaitiakitanga'?

Whakaaturia he peehea koe e noho ai hei kaitiaki moo te taiao moana maa te hanga raarangi tikanga tiaki takutai i raro iho nei. Maa te mahi raarangi mahi hei tiaki, hei atawhai hoki i te takutai me te tini a Tangaroa e noho ana i reira.



## Tikanga Tiaki Takutai



# Te Aromaatai Kaupapa

Whakakiia ngaa rerenga e whai ake nei moo ngaa mahi kua oti i a koe moo te tirohanga maataitai.

## Tirohanga Takiwaa

He rawe ki a au te...

Hei whakapai ake i ngaa mahi me...

## Te Hautaka Akoranga

Ko te tino mahi pai ki a au ko te...

Hei whakapai ake i ngaa mahi me...

I ako au...

Kaore au i maarama ki ...

He koa au kia kite...

I miiharo au i taku kitenga...

Naa eenei mahi kei te hiahia au ki te moohio...

Te whakawaa whaanui i te kaupapa  
Taaia te tae ki teetehi o ngaa kanohi i raro iho nei

