Level 3 Planet Earth	and Be	eyond. Name	:		Date:
Weathe	r:T	iritiri	Matangi	Islan	TIRITIRI MATANG
Why study the weather - on a sports day/ tramp - work outside, - at a barbecue - going swimming or yac - on a ferry travelling to	ing/ walk chting		er is useful if you are:	a) Describe to	oday's weather.
The earth is on a tilt ar angles. This causes for					at different
) What season are w	e in rig	ght now?			
e) Explain Matariki?					
l) Is the sun high or I	ow in t	he sky in thi	s season?		
A. Finding seal					 Fara: white-fronted tern
rom the ferry watch the ircle the names of bire					
Circle the seabirds you IE	•	Numbers	Describe the bird soaring, gliding, swimming.	s' actions: flu	ttering,
black backed gull - karo	ro		J		
red billed gull - tārapuna					
fluttering shearwater - p					
Australasian gannet - tā	kapu				
little penguin - kororā white fronted tern - tara					
Other					
Vrite down how you ving movement? Hint		-		stay up in the	air with little
of Ho	the eart ot air rise	: h unevenly that es so breezes a r	that drives the earth's we t warms and cools our at nd thermals (rising war ong with the moon influ	mosphere of gas m air currents) a	s and water particles re created.
3. Sun and Tid	e				
. Note the direction o		sun: -			
a) on the ferry t					

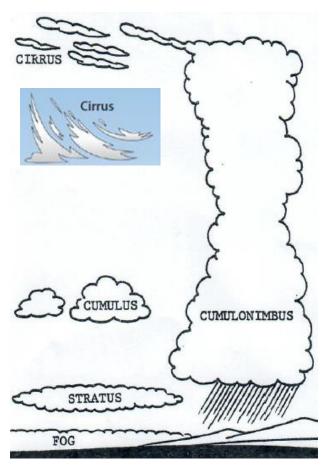
1.	Note	the	direction	of t	he sun: -
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a)	on the	ferry t	ravell	ing to	Tiri		
	mid da	-		•			

b) mid-day on Tiri____

c) when travelling home _____

2. Checking the tide level on Tiritiri
Arrival: Circle where the tide is on the wharf piles:- *low, medium, high* Departure: Circle the tide level on the wharf piles:- low, medium, high



C. Reading the Clouds from the ferry and on Tiritiri

CIRRUS - <u>high</u> wispy clouds, contain ice; **indicate** snow drizzle, change of weather.

CUMULUS - <u>low</u>, white fluffy clouds with greyish bottom **indicates** fine weather, may have rain later.

STRATUS - <u>low</u> clouds that spread over the sky in layers; **indicates** overcast, maybe drizzle

CUMULONIMBUS or thunder head - a cumulus grows into a large cloud: **indicates** rain and storms.

FOG - stratus clouds form near the ground: **may indicate** a fine day later on. There is less visibility: very dangerous for ships and planes.

NOTE the **fog horn** demonstration on Tiritiri and why it was necessary to have prior to today's satellite form of navigation.

Types of Clouds you observe	State if observed on ferry or on Tiritiri
For fun: imagine shapes in the clouds!	

D. On the ferry and Tiritiri:-

find wind direction.



Stand still, face north, lick the top of your index finger and point upwards. Observe which side of your finger feels the coolest. Whichever the direction the cool side is on your finger is facing (north, south, east, west), that's the **direction the wind is coming from**.



Kahu: hawk - Australasian harrier

The reason why your finger feels cool has to do with the **speedy** evaporation of the moisture on your finger as the wind's air blows by.

E	. Look	out for	kahu	to watch	it's flight.

Describe the flight:	

F. Unscramble:	aehtr	_, emraht,	lsumuuc
ogf,	tatrssu	,mrpheoaste	

References: : Prism: Weather: D Beatson *The NZ Weather Book,* 1978; User Friendly Resources: Weather

Drawings: Keith Woodley. Tiritiri Education Resource, Google Images.

Answers: A. Birds use air currents/thermals to glide and soar on. F. Earth, thermal, cumulus, fog, stratus, atmosphere