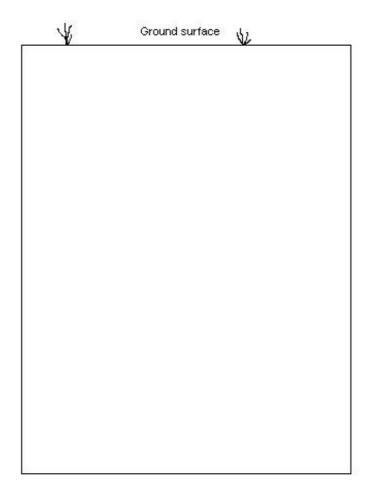
STUDENT ACTIVITY SHEET - SITE 1 (Advanced)

Name:	 Date:

Title: WHY ARE THE SOILS DIFFERENT?

SITE 1: fill in the blank soil profile below by drawing in the boundary between any layers, and labelling them Layer 1, Layer 2, etc. For each layer write down the:

- colour (e.g. grey, red, white)
- acidity test number (e.g. 7, 6.5)



STUDENT ACTIVITY SHEET - SITE 1 (Advanced)

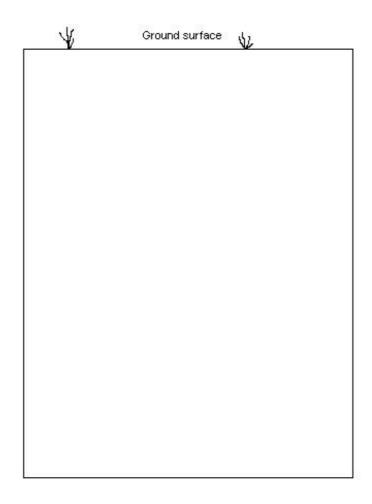
Name:	Date:
QUES	STIONS:
1.	Circle the word that best describes the boundary between the upper and lower layers.
	Sharp Gradational Diffuse
2.	What does this type of boundary tell you about the profile?
3.	Do the soil layers have different colours, textures and pH values? (circle one)
	YES NO
4.	Why do you think this might be?
1.	According to the acidity number you measured in the bottom layer, which type of plant/s would grow best in this soil? Draw a line down the page across the big arrow to find out the answer/s.

STUDENT ACTIVITY SHEET - SITE 2 (Advanced)

Title: WHY ARE THE SOILS DIFFERENT?

SITE 2: fill in the blank soil profile below by drawing in the boundary between any layers, and labelling them Layer 1, Layer 2, etc. For each layer write down the:

- colour (e.g. grey, red, white)
- acidity test number (e.g. 7, 6.5)



STUDENT ACTIVITY SHEET - SITE 2 (Advanced)

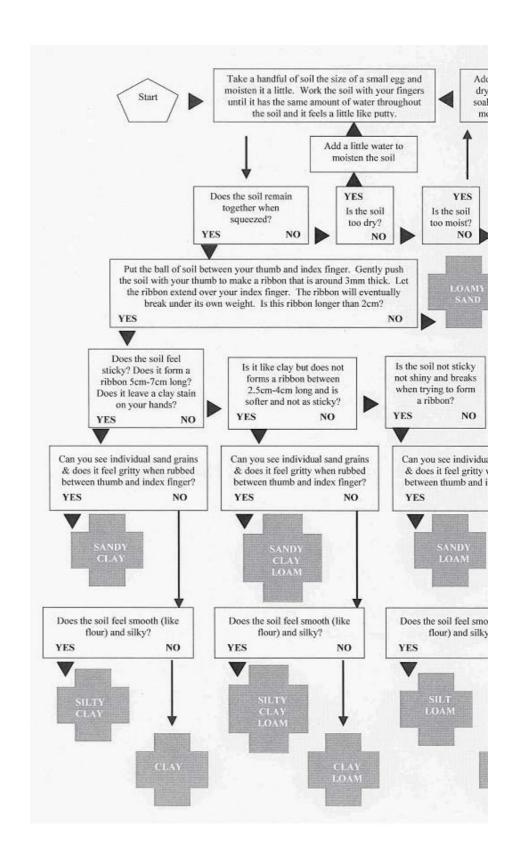
Name:	Date:
QUE	STIONS:
1.	Circle the word that best describes the boundary between the upper and lower layers.
	Sharp Gradational Diffuse
2.	What does this type of boundary tell you about the profile?
3.	Do the soil layers have different colours, textures and pH values? (circle one)
	YES NO
4.	Why do you think this might be?
5.	According to the acidity number you measured in the bottom layer, which type of plant/s would grow best in this soil? Draw a line down the page across the big arrow to find out the answer/s.

STUDENT ACTIVITY SHEET - SITES 1 & 2 (Advanced)

Texture of a soil - Why not feel the difference?

Date: _____

Make sure yo	u place r	newspaper o	n your des	sks as this acti	vity can	get really messy!
 Using the feels. First you with texture Do the san	key on t will worl e of the b	k out the tex pottom layer he soils at SI	g page, cla ture for th (B-horizo TE 2.	ssify your soi	the soil (ing on how the soil (A-horizon), then
In the table be	elow, wr	ite down the	textures f	for each of the	e soil.	
Site 1				Site 2		
Top layer				Top layer		
Bottom layer				Bottom laye	er	
	each sit	te? 				
Think about the	he textur	e of other so	oils that yo	ou might have	seen.	
2.	2. Which soil particle size are you mostly likely to see at the beach? (Hint: You when you see a wave come up over the beach you will notice that the water quickly sinks in and drains away.)			beach you will		
3. Cricket pitches are made of a special type of clay. This gives the desirable characteristics. Write down what you think they might						



Name:	·	Date:
	4.	River flats are often a very good place to grow vegetables. The soil on the edge of a river has been washed there by water when the river floods. What components in the soil make it so productive?
FUR ¹	THER	QUESTIONS:
Co	mpare 1	the two profiles.
1.	bound	night there be differences between the two soil profiles in terms of ary types, colours and pH values? Does this have anything to do with the profiles are in the landscape?
2.		night any differences in landscape position and drainage influence the of vegetation that grow in these soils?