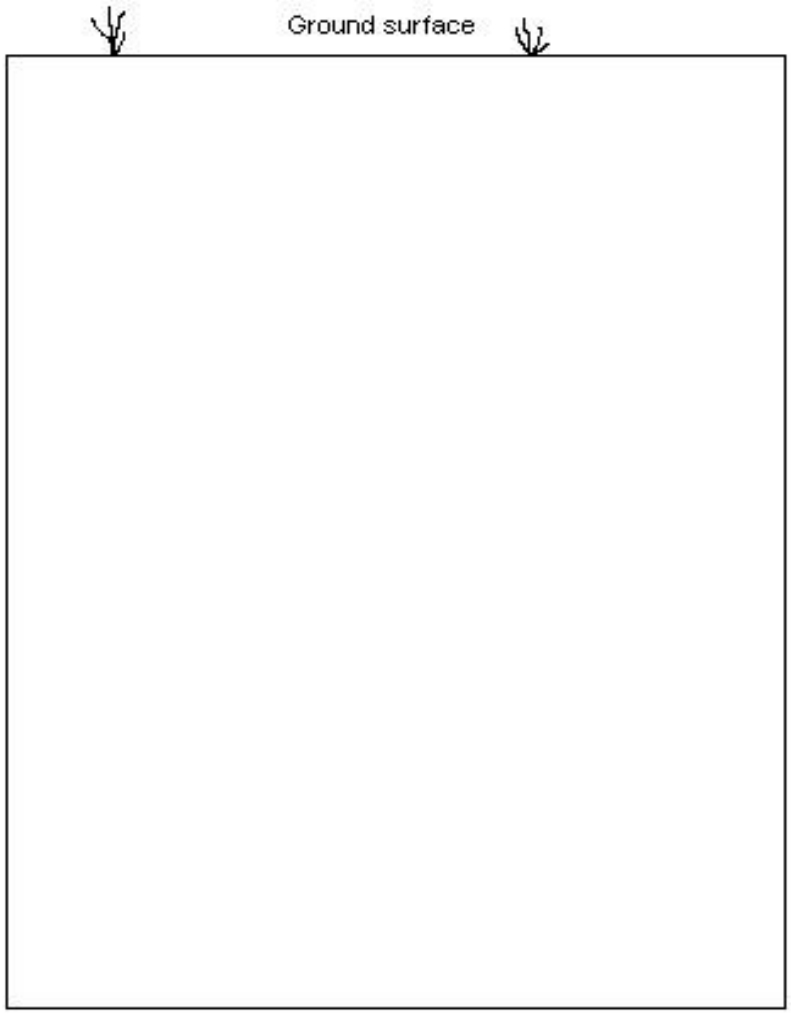
STUDENT ACTIVITY SHEET - *SITE 1* (Intermediate)

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 (call them Layer 1 and Layer 2). For each layer label on the diagram the colour (e.g. grey, white, bright red, pale red) and the acidity test number (e.g. 7, 6.5).

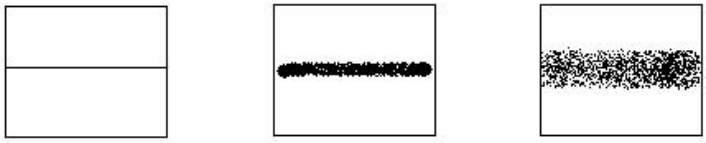


STUDENT ACTIVITY SHEET - *SITE 1* (Intermediate)

Name: _____ Date: _____

QUESTIONS:

1. Which one of these does the change from the top layer to the bottom layer look most like?



2. Are the brighter colours in the bottom or top layer (circle one)?

   BOTTOM TOP

3. Is the acidity number in the bottom layer bigger, smaller or the same as the number in the top layer (circle one)?

   BIGGER SMALLER SAME

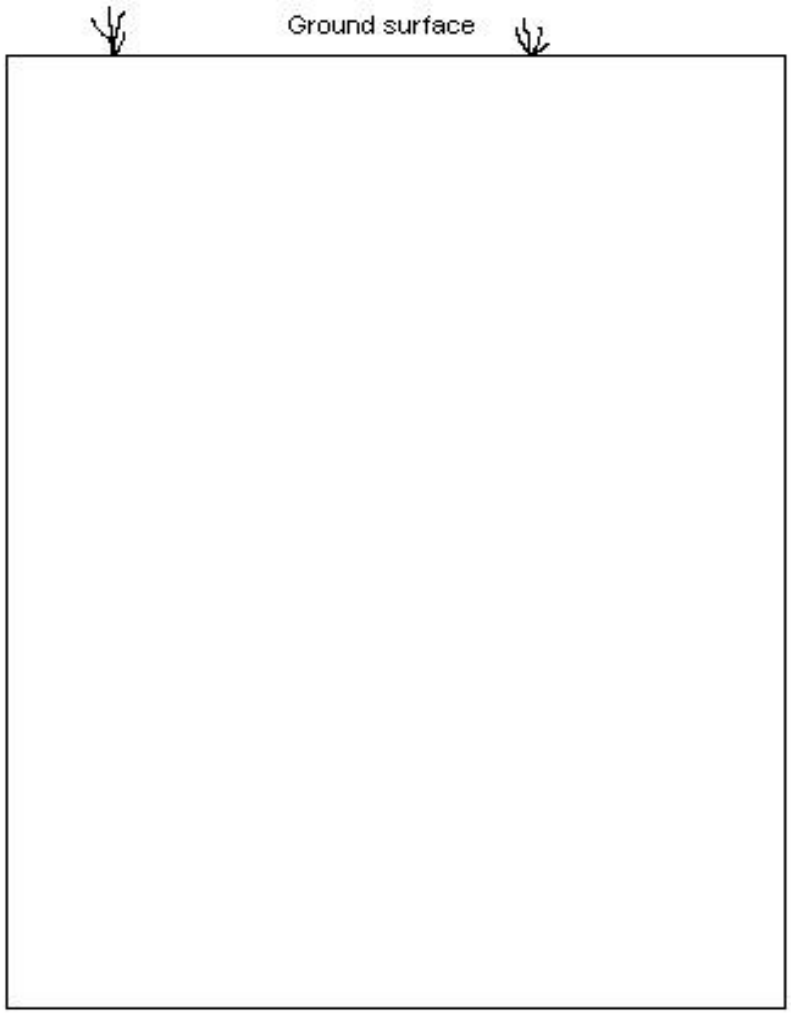
4. According to the acidity number you measured in the bottom layer, which type of plant/s would grow best in this soil? Draw a line down the page across the big arrow to find out the answer/s.

STUDENT ACTIVITY SHEET - *SITE 2* (Intermediate)

Name: _____ Date: _____

Title: WHY ARE THE SOILS DIFFERENT?

SITE 2: fill in the blank soil profile below by drawing in the boundary between any layers (call them Layer 1 and Layer 2). For each layer label on the diagram the colour (e.g. grey, white, bright red, pale red) and the acidity test number (e.g. 7, 6.5).

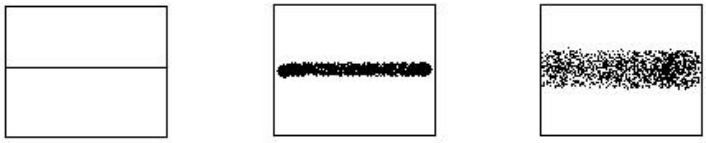


STUDENT ACTIVITY SHEET - *SITE 2* (Intermediate)

Name: _____ Date: _____

QUESTIONS:

1. Which one of these does the change from the top layer to the bottom layer look most like?



2. Are the brighter colours in the bottom or top layer (circle one)?

   BOTTOM TOP

3. Is the acidity number in the bottom layer bigger, smaller or the same as the number in the top layer (circle one)?

   BIGGER SMALLER SAME

4. 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* (Intermediate)

Name: _____ Date: _____

FURTHER QUESTION:

Compare the two soil profiles you have described.

1. Why might there be differences between the two soil profiles in terms of boundary types, colours and pH values? Does this have anything to do with where the profiles are in the landscape?

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