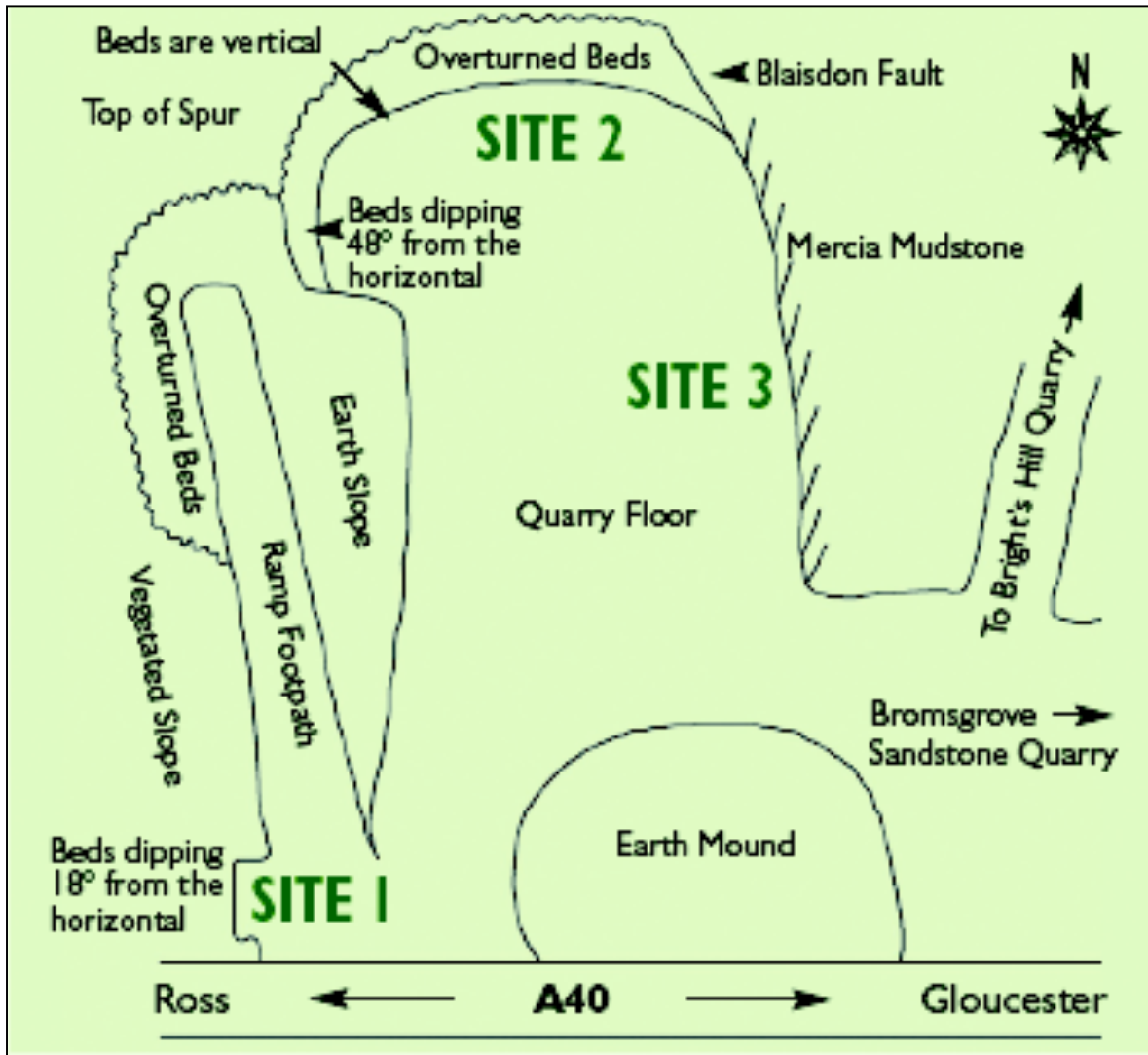


PUPIL NAME.....

**Map of Huntley Quarry Geological Reserve:**



HUNTLEY QUARRY GEOLOGICAL RESERVE: KS3 PUPIL WORKSHEETS  
GLOUCESTERSHIRE GEOLOGY TRUST

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Use the following table to record your observations of the rocks you will see today in Huntley Quarry.

	At Site 2	At Site 3
Colour of rock		
Are they bedded?		
Horizontal or not?		
Are they jointed?		
How big are the grains?		
Are they porous?		
Do they contain fossils?		
The rock name is:		
In what environment was it probably formed?		
Which of the two rocks is harder?		
Which of the two rocks would have been quarried for using as building stone and road stone?		
Explain your answer.		

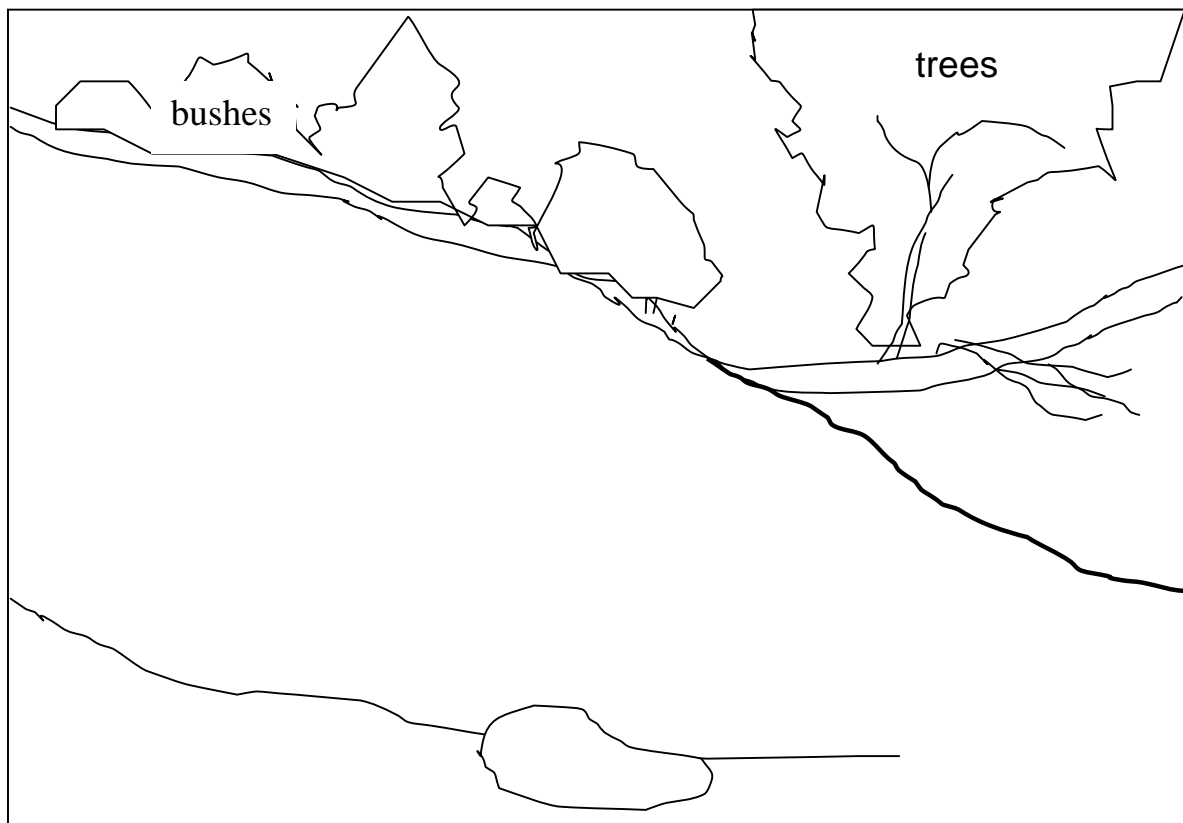
PUPIL NAME.....

**Sketch of Huntley Quarry at Site 2.**

Complete the outline sketch of Site 2 at Huntley Quarry by drawing in the beds.

Identify and label the following on the sketch:

bedding plane    joint    soil layer    biological weathering by roots  
dipping beds of rock    fault



**Folding:**

Look at how the beds of rock are dipping (the bedding planes are not horizontal).

What do you think has happened to them?

PUPIL NAME.....

**Faulting:**

Look closely at the rocks close to the fault at Site 2. What can you see on the surface of these rocks?

Make a sketch of these marks below.



These marks are called **striations**. Write the name on your sketch.

How do you think they might have they formed?

What is the name of the force that is acting on the surface of the rocks inside the fault?

PUPIL NAME.....

Huntley Quarry Beds Rock Cycle:

Mark in the track for the rock beds at Site 2 of Huntley Quarry through this rock cycle by drawing over the correct dotted arrows.

