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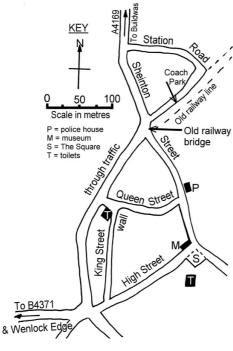
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JPIL WORKSHEET 1	Pupil Name	
USQUIZ: from Forest Gle	en to Presthope.	
e answers are on the map, or out	side of the bus window at the sites, <u>numbers</u>	ed to match the question.
1: What is the name of the rou	unded hill behind and to the left, and wh	at age rock underlies it
The hill is	and the rock is	in age.
2: Areas here have been open-	-cast for which mineral? What sport is no	ow played on them?
The mineral is	and the sport is	
Hughley Wenlock Edge carpark	sandstone. What A: Q4: From the particle window, we been mined in the window, which we will be a second of the window, which we will be a second of the window, we been mined in the window, which we will be a second of the window, we been mined in the window, which we will be a second of the window, which we will be a second of the window, which we will be a second of the window, which we will be a second of the window, which we will be a second of the window, which we will be a second of the window, which we will be a second of the window, which we will be a second of the window, which we will be a second of the window, which we will be a second of the window, which we will be a second of the window, which we will be a second of the window, which we will be a second of the window of the wi	olaces named outside of hat two minerals have his area? and is a power station. nk it was built here?
through it?		
A:		
Q7: Circle the words below we the left.	which best describe the rocks you can see	e in the road cutting or
A: bedded / unbedded; ho	rizontal / dipping; igneous; metamorph	nic; sedimentary.
Q8: What kind of industry is	to be found at this point?	
۸.		

PUPIL WORKSHEET 2

Pupil Name

Much Wenlock Building Stones.





Colonial Coral



Brachiopod (shell fish)



Crinoid (broken pieces)

THE BRIDGE ABUTMENT.

Walk along Station Road and turn left into Sheinton Street. On the left is the bridge abutment.

- 1. In what year did the bridge building start?
- 2. What stone was used to build the bridge?
- 3. What kind of weathering has affected the stone?

THE HOUSES ON SHIENTON STREET

(Circle your answers)

1. What has been used to make the <u>roofs</u> of these houses?

tiles, slates

2. Circle the kinds of stones you can see in the walls of these houses.

limestone, sandstone, gritstone.

3. Circle the stones used for the <u>roof and walls</u> of the **police station**.

tiles, slates, limestone, sandstone, gritstone, blue bricks, red bricks.

STONE WALL, KING STREET

Use the photographs on the left to help you identify the fossils you can see in the **stone** walls (e.g. on King Street)

Tick off the ones you find

Colonial coral	
Crinoid pieces	
brachiopods	

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PUPIL	. WORKSHEET 3	Pupil Na	me	
Wenle	ock Edge: Landso	cape and Geology.		
	_ The			
	wley		Ape Dale	Wenlock Edge
Pre-	ri o n			95
Cambr beds	1			
	Cambrian Ord	dovician beds		
Chu Stre			Sil	urian beds
Faul			.	
1.		cal arrow, your position the direction in wh		n and draw an arrow above
2	Mark on the costi	an above the followin	a footuros.	
۷.	Mark on the section	on above the followin	g reatures:	
	West,	East,	Younges	
	Oldest bed,	Scarp slope	Dip slope	5
3.	Shade in the mos	t resistant rocks on th	ne section.	
4.	Explain why som	e beds form scarps a	nd others form	valleys.

Rnowle Quarry (south).

top of quarry face

top of quarry face

bottom of quarry face

bottom of quarry face

1. Label the following features on the section.

West

East

Oldest reef

Youngest reef

- 2. Sketch in the bedding planes at points "a" and "b".
- 3. Describe the beds at points "a" and "b" in the table below.

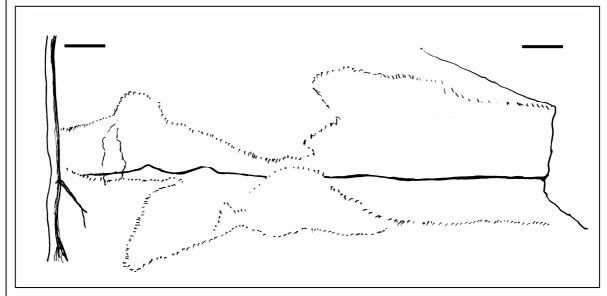
At point "a"	Bed thickness:
	Horizontal / Dipping:
	Grain size:
	Fossil content:
At point "b"	Bed thickness:
	Horizontal / Dipping:
	Grain size:
	Fossil content:

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PUPIL WORKSHEET 5

Pupil Name

Knowle Quarry (west).

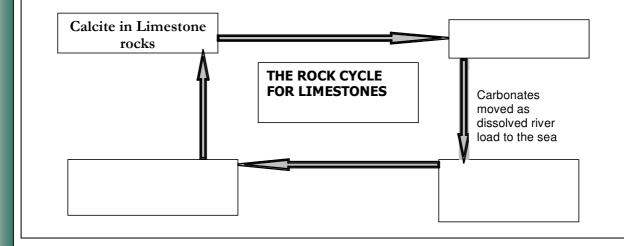


1. On the sketch above, draw in the bedding planes and label the following features:

North South scree reef soil and vegetation bedding planes joint plane

Rock Cycle For Limestones.

- 2. Write the following letters on the diagram below to describe the rock cycle.
- A, B and C are labels for the boxes. D and E are labels for the arrows.
- A. Ions in solution
- B. Calcite shells form new sedimentary rocks
- C. CaCO₃ used in calcite shells of marine animals
- D. Chemical weathering by acid rain
- E. Animals dies leaving empty calcite shells.
- F. Uplift of the crust exposes rocks to weathering.



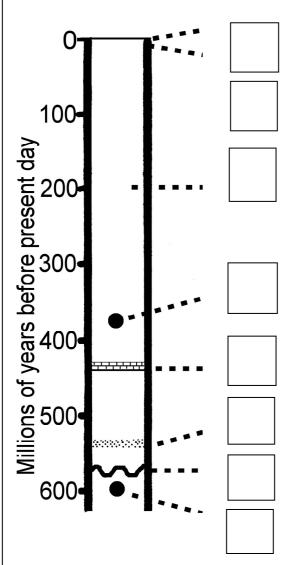
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PUPIL WORKSHEET 6	Pupil Name
Knowle Quarry Lime Kilns.	
1. Complete the field sketch abo	ove by drawing in the missing kiln arch.
2. Draw in <u>all</u> of the areas which	n are made of red brick.
3. Explain why limestone blocks	have not been used in these places.
4. On your sketch label the follo kiln arch areas of chemical weath	draw hole buttress
5. When in use the kiln was load	ded with alternate layers of
and	
6. When limestone is "burnt" in equation to show this.	a kiln it breaks down into a gas and a solid. Write the
CaCo₃ + heat er	nergy = (solid) +(gas)
7. List as many uses of limeston	e as you can in the table below

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Summary Column Of Geological Events (For The Ercall and Knowle Quarry)



Write the letter for each of the following statements in the correct box on the geological event column above.

- A. Formation of volcanic rocks now exposed at The Ercall;
- B. Deposition of sandstones with ripple marks at The Ercall;
- C. Erosion of volcanic rocks now exposed at The Ercall;
- D. Period of uplift, and tilting 10° to the SE;
- E. Very long period of weathering when any younger rocks were eroded away;
- F. Present day weathering forming dip and scarp landscape;
- G. Quarrying of limestone begins more than 500 years ago;
- H. Deposition of reef limestones now exposed at Wenlock.