

Box Rock Circus QUIZ (KS3)

The information board will help with the answers!

marks

1. Which rock makes the hills around the village? 1
2. Which two blocks in the Circus are made from this rock? 2
3. Find the block of rock with corals near the top.
What evidence do the corals give about the environment
in which the rock formed? 2
4. Explain how the Silurian block formed? 2
5. Where was 'Britain' when the sandstone in the tall red block
was deposited? 1
6. How old is the other, smaller sandstone block? 1
7. Find a face (Mr. Hardyse) on the sedimentary climbing block.
What are his eyes made from? 1
8. What is Mr. Hardyse's nose made of? 1
9. How many ammonites can you find on the sedimentary block? 1
10. What are the fossils in the Purbeck 'marble'? 1
11. What is the creature fossilised in the rock just below Mr. Hardyse?..... 1
12. Name two minerals you can find on the sedimentary block
.....
..... 2
13. Are the ripple marks on the sedimentary block symmetrical or
asymmetrical? Were they formed by a river or by the sea? 2
14. Name four different types of sedimentary rocks in this block. 4
15. What are the fossils you can see as black specks in the Bone Bed?..... 2
(large block at the bottom below some ripple marks)
16. How many specimens of tree bark can you find? 2
How old is it? *(Information board will help)*
17. Find the large fossil Nautilus at the top of the sedimentary block.
What creature is preserved within its last body chamber? 1
18. What are the veins through the rock to the left of a round,
red nodule, below the Nautilus? 1

- 19. What is the 'house' on the top of the crystalline climbing block made from? Why is this a good roofing material? 2
- 20. Explain the holes in one of the rocks near the little 'house' 1
- 21. What rock makes the curved 'shelf' on the crystalline block? 1
- 22. Some of these crystalline igneous rocks have large crystals and some have small crystals. Why? 2
- 23. One of the igneous rocks shows both big and small crystals Explain what happened? 2
- 24. On one side of the crystalline block are some pieces of rock with long, thin 'squashed' pebbles. What happened to make them this shape? 2
- 25. What sedimentary rock metamorphosed to slate? 1
- 26. What sedimentary rock metamorphosed to marble? 1
- 27. What caused one of the rocks in the crystalline block to be folded?..... 1
(It's on the Silurian block side of the crystalline block)
- 28. In the fossil casts, can you work out what the little round shapes are in the underside of the fish? 1
- 29. What is the closest relative to the trilobite? 1
- 30. Two of the invertebrate fossil casts look completely different and yet they are related. Which two? 2
- 31. What do you think the odd, wiggly fossil cast is? 2
- 32. There are two vertebrate fossil casts of the same animal. Which? 1
- 33. The black line on the edge of the circle behind the obelisk represents the origin of the Earth and Solar System. How old is it? 1
- 34. What do the red marks around the circle edge represent? 1
- 35. Where is the black mark that shows the first life on land? 1
- 36. List four possible stories to explain the two sets of dinosaur footprints through the circle. 4