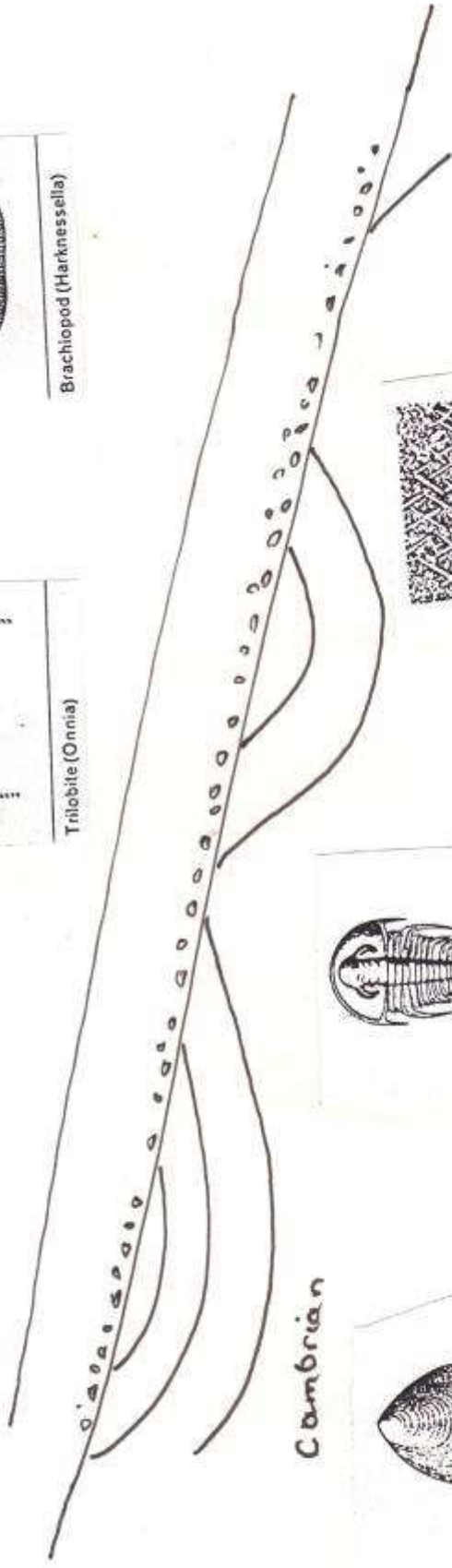
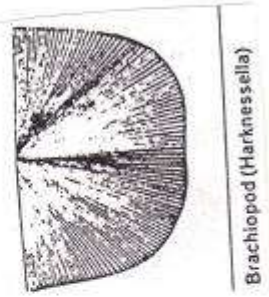
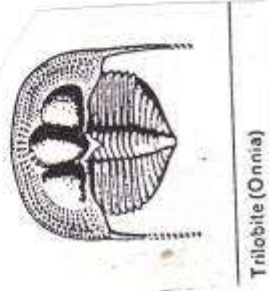
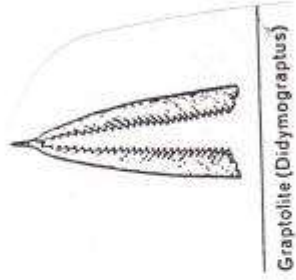


Building a stratigraphic column

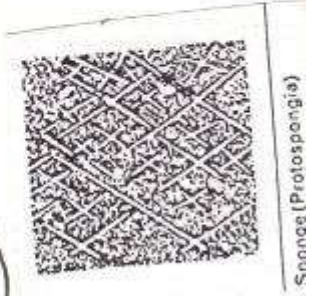
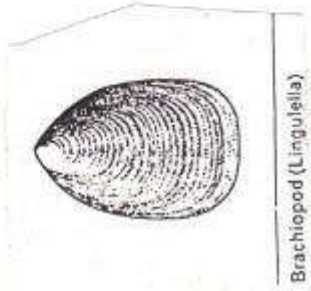
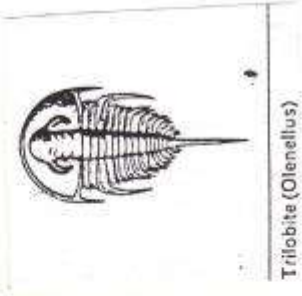
Each of the nine sections that follow show a conformity or unconformity between two stratigraphic systems. The lower only one is given its name. There are diagrams of the fossils characteristic of those periods. The placename at the top is somewhere in the British Isles where such a section might be found.

Students are lent copies of all 9 pages. They select one page and then find another page where the fossils on the bottom match those on the top of the chosen page or those on the top match those on the bottom of the chosen page. The pages should then be laid out on the desk in order. The students can then write down the order of the periods represented as a list with the oldest at the bottom. Where the systems have an unconformable relationship then they should put a wiggly line between them. They can also list the fossils for each period. The students should then shuffle the pages so they are not in order for the next group to use them.

NORTH WALES



Cambrian



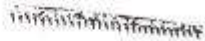
SOUTH WALES



Coral (Halysites)

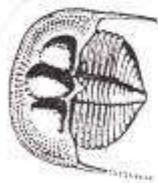


Crinoid (Grasschnius)

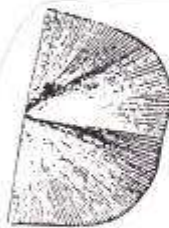


Graptolite (Monograptus)

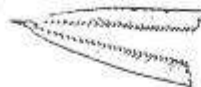
ORDOVICIAN



Trilobite (Onnia)

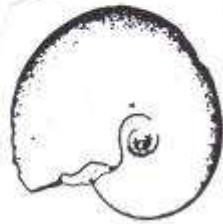


Brachiopod (Hirnesella)



Graptolite (Didymograptus)

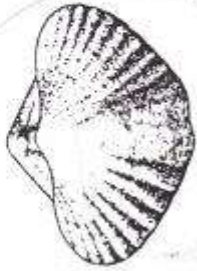
SICCAR POINT EASTERN SCOTLAND



Goniatite (Manticoceras)



Plant (Psilophyton)



Brachiopod (Spirifer)



Coral (Pachyphyllum)



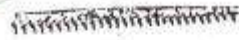
Fish (Holoplychius)



Crinoid (Gissocrinus)



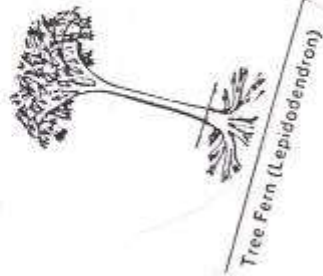
Coral (Halysites)



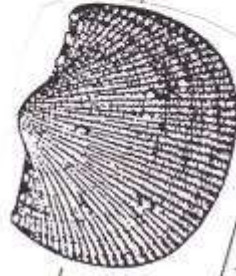
Graptolite (Monograptus)

SILURIAN

SOUTH WALES



Amphibian (Eumicroreteton)



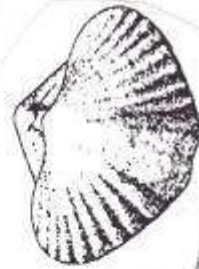
Brachiopod (Productus)



Fish (Cornuboniscus)



Aplousichius



Brachiopod re.



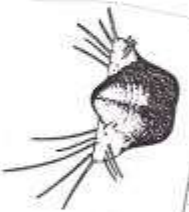
Coral (Dibunophyllum)

DEVONIAN

PENNINES



Ammonite (Mollusca)



Brachiopod (Morrisonia)



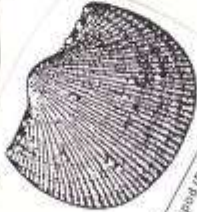
Bivalve (Schizodus)



Reptile (Elgisia)



Saiback (Dimetrodon)



Brachiopod (Productus)

CARRONIFEROUS



Amphibian (Eumecetops)



Cone (Dibunophyllum)

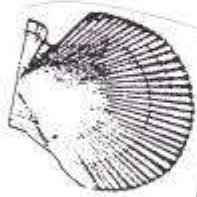


Fish (Coryphopterus)



Tree Fern (Lepidodendron)

YORKSHIRE



Bivalve (Chlamys)



Reptile (Ornithosuchus)



Ammonite (Ceratites)



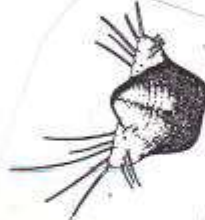
Phytosaur (Rutiodon)



Bivalve (Schizodus)



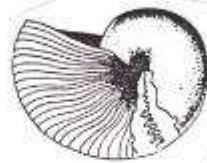
Sailback (Dimetrodon)



Brachiopod (Harridonia)



Reptile (Elginia)



Ammonite (Medlicottia)

PERMIAN

SEVERN ESTUARY



Ammonite (Dactyloceras)



Crinoid (Pentacrinites)



Echinoid (Hemicidaris)



Dinosaur (Stegosaurus)



Dinosaur (Brontosaurus)



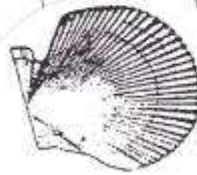
Ammonite (Ceratites)



Pelycosaur (Rubion)



Reptile (Ornithosuchus)



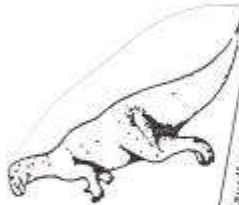
Bivalve (Chlamys)

TRIASSIC

DORSET COAST



Ammonite (Hamites)



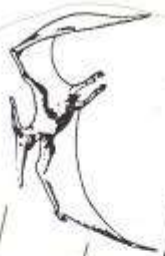
Dinosaur (Iguanodon)



Dinosaur (Triceratops)



Echinoid (Microaster)



Reptile (Pteranodon)



Dinosaur (Brontosaurus)



Ammonite (Dactyloceas)



Echinoid (Hemiodonta)

JURASSIC



Dinosaur (Stegosaurus)



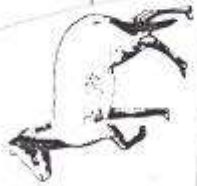
Crinoid (Pentamerites)

LONDON BASIN

TERTIARY



Cephalopod (Nautilus)



Horse (Eohippus)



Ammonite (Hamites)



Bivalve (Cardium)



Dinosaur (Triceratops)



Reptile (Pteranodon)



Dinosaur (Guanodon)



Echinoid (Micraster)

CRETACEOUS