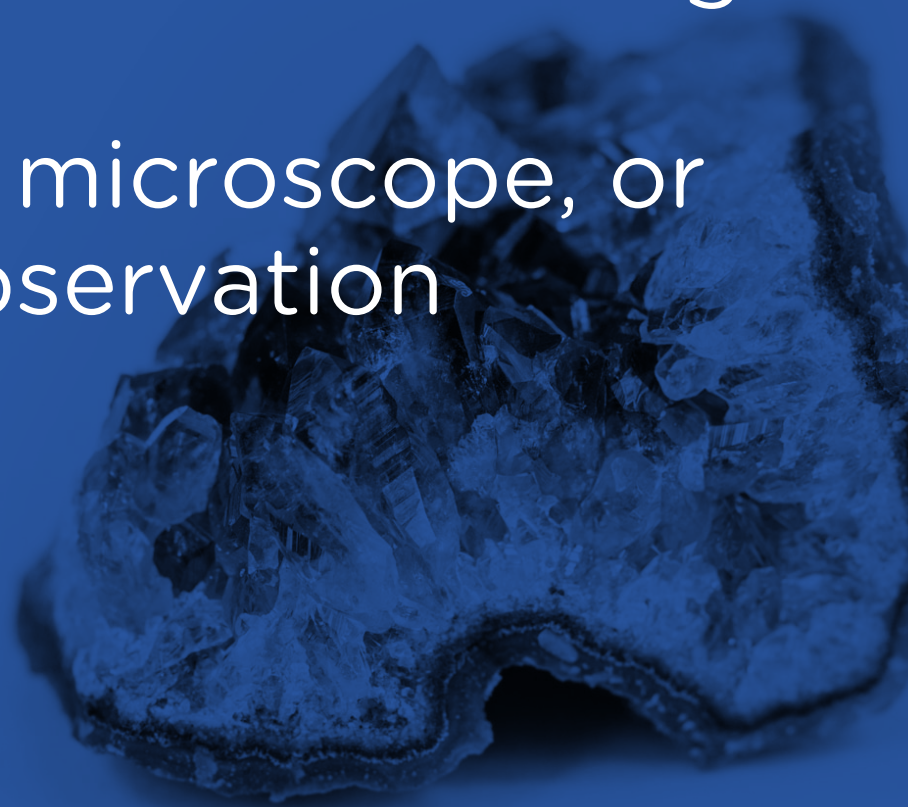


WJEC Eduqas GCE A LEVEL in GEOLOGY

SP17 Production of scaled,
annotated scientific drawings
of fossils,
using a light microscope, or
hand lens observation



Title: SP17 Production of scaled, annotated scientific drawings of fossils, using a light microscope, or hand lens observation

Specification reference: F3.1d

Aim: To produce scaled, annotated scientific drawings of fossils, using a light microscope, or hand lens observation.

Apparatus:

Hand lens or light microscope
Ruler
Plain paper
Soft pencil and eraser
A range of fossils

Method:

1. Place the fossil in a position which offers the best view of the distinctive features of the fossil.
2. If appropriate, plan to draw more than one view of the fossil from differing orientations.
3. For observation of finer details a light microscope or hand lens should be used. (If using a hand lens, hold the hand lens in front of one eye, keeping your head up to keep the fossil illuminated, and bring the fossil into focus in front of the hand lens.)
4. Draw the key features of the fossil focusing on:
 - The overall shape, considering relative length and height so that the fossil does not appear too short or too elongate in either dimension
 - The location/size/shape of major features
 - The number and shape of minor features.
5. Put a scale on the drawing.
6. Label or annotate the major and minor features.
7. Identify the fossil.
8. Give the diagram a title.

Analysis:

None required.

Teacher/Technician notes:

Labels/annotations should include those listed hard parts for relevant fossil groups in the specification section F3.1d.