

Student tasks

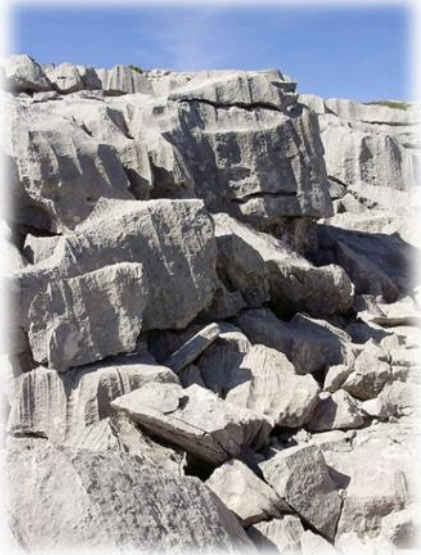
1. Match the description with the correct definition from the table below:

Bedding plane	A valley lacking a river. These are common in limestone and chalk areas.
Carboniferous limestone	A hole, e.g. Gaping Ghyll in North Yorkshire, found in limestone areas, where a surface stream disappears underground.
Chalk	A large area of clints and grykes.
Clints and grykes	The characteristic scenery of a Carboniferous limestone landscape which includes potholes and underground drainage.
Dry Valley	Joints in limestone dissolved by rainwater into grooves leaving blocks or clumps of limestone in between.
Joint	A line of weakness between different sedimentary strata.

Karst	A calcite formation in a cave which grows downwards from the roof or walls.
Limestone	A vertical crack in a rock, often formed by compression; it can be several metres in length.
Limestone pavement	A sedimentary rock composed chiefly of calcium carbonate (CaCO_3). Various types of this rock are used as building stone.
Stalactite	A hard, often grey sedimentary rock formed 270-350 million years ago. It consists mainly of calcium carbonate (CaCO_3) and is the main rock type of the Mendips in Somerset.
Stalagmite	A soft, fine grained, whitish sedimentary rock composed of calcium carbonate (CaCO_3). This rock forms the White Cliffs of Dover and the South Downs.
Swallow hole or sink hole	A calcite formation which grows upwards from the cave floor.

2. Match the descriptions and definitions to the correct image.





Answers

The answers below are suggestions as some of the images could be used for more than one definition.

Some suggested answers and image credits

	<p>Bedding plane Kimmeridge Bay, Dorset, UK © 2008 Jim Champion (treehouse1977) http://www.flickr.com/photos/treehouse1977/2422338655</p>		<p>Karst The Burren, County Clare, Ireland © 2012 Graham Higgs http://www.flickr.com/photos/ghiggs/7709693614</p>
	<p>Carboniferous limestone Malham Cove, North Yorkshire, UK © 2012 Emz Watson http://www.flickr.com/photos/46361816@N08/7223239510</p>		<p>Limestone Bernese Oberland, Switzerland © 2009 uair01 (P K) http://www.flickr.com/photos/uair01/3870660087</p>
	<p>Chalk The White Cliffs of Dover, UK © 2012 Tobias von der Haar http://www.flickr.com/photos/yeaki/7671339544</p>		<p>Limestone pavement Malham, North Yorkshire, UK © 2007 Paul Stevenson http://www.flickr.com/photos/pss/412537208</p>

Limestone mix and match, a card sort

	<p>Clints and grykes Limestone pavement, Yorkshire, UK © 2004 thenunnery (Andy Nunn) http://www.flickr.com/photos/andynunn/3032162936</p>		<p>Stalactites Ohio Caverns, Ohio, USA © 2010 bobosh_t (Ted) http://www.flickr.com/photos/frted/4881414279</p>
	<p>Dry valley Devil's Dyke, Sussex, UK © 2012 Paul Lawston http://www.flickr.com/photos/dick_dangerous/7863011870</p>		<p>Stalagmites Onyx Cave, Kentucky, USA © 2006 Navin75 http://www.flickr.com/photos/navin75/162066494</p>
	<p>Joint Swaledale, North Yorkshire, UK © 2009 alh1 http://www.flickr.com/photos/allan_harris/4031043469</p>		<p>Swallow hole or sink hole Gaping Ghyll, North Yorkshire, UK © 2008 Abcdef123456 http://en.wikipedia.org/wiki/Gaping_Gill</p>