## Searching for minerals

1. What methods are used to find deposits of minerals? Match each method to its definition.

	A form of remote sensing, Aeroplanes or drones fly over large areas and take photographs which can be analysed for signs of minerals.
Aerial photography	
	Looking closely to the surface of rocks.
Geophysical analysis	Mineral deposits are weathered at the Earths, surface, producing mineral oxides. These can be detected by their unique radiation pattern, which is recorded by a satellite and downloaded to a computer for
Prospecting	analysis. Other satellites operate by sending signals to the surface of the Earth and then collecting reflected signals.
Satellite	Sediment samples are taken from streams or rocks and analysed chemically in a laboratory for signs of useful materials.
Geochemical analysis	Use of seismic vibrations into the ground. The frequency of the vibrations that are reflected back help to identify suitable areas for further investigation.
2. What should be done in order to make sure the deposits of mineral ores are large enough to be extracted once they have been located?	
amount classified decision	deposit Drilling extract favourable feasibility financial future
grade mine mixture ores	practical project
reserve resource samples si	ze technical tonnage
A evaluation is ca	rried out to estimate the and the of the
mineral of interest present in a -	to collect rockmust be done to
identify the of the dep	posit as well as the of mineral present.
A deposit may be as	mineral oretaking into account theof material
that is to	
Finally, a study is carried out to evaluate all the and risks of any	
proposed mining	
The final may be to right away or wait until there are moreconditions in	
the	

