#### Task 1 - Minerals and r

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# Stage 1 Earth and Environmental Science

# Mineral and Rock Identification

# Purpose of Task

This task provides students with the opportunity to demo knowledge and understanding of earth and environmenta rocks and minerals.

Students test unlabelled samples, record their observationand new specimens.

### Procedure

Minerals may be identified by testing the following proper colour, streak, cleavage, hardness, lustre, density, n hydrochloric acid

Rocks may be identified by observations of the following texture, grain size and minerology

### Results

The results should be recorded in appropriate formats. D the minerals should be included.

#### Discussion

An analysis of the results should lead to a conclusion ab Examples of analysis statements include:

- A white mineral that has a hardness of 6 and obvious be identified as plagioclase.
- The minerals in the rock are interlocking and the gi is of igneous origin and formed under the surface c

For each of the rock samples, classify as sedimentary, ig short geological scenario, explaining how it could have for Example:

This rock is an intrusive igneous rock. It formed in then spent a lot of time cooling (which explains the crystallised into a rock. It was then uplifted through surface of the Earth where a geologist then collected classroom.

### Application

Three commonly used minerals in cosmetics are talc, mi

Examine samples of each of these minerals.

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