

Course Project – Stage 1: Mineral Factsheet

Aim: To apply your knowledge and research skills developed during the course to produce a factsheet about your assigned mineral and deposit type to share with your group members.

Objective: To describe the characteristics of the mineral along with its importance, uses, value and deposit type it occurs in.

Outcome: To achieve a greater understanding of the minerals in your assigned deposit type along with their economic uses and values.

Time required: The assignment will have two dedicated lab sessions and will require additional hours outside these times to be completed.

Assignment: To produce a **two-page** factsheet on your mineral. This will be graded on **content** as well as **design**, see the grading rubric and examples for more detail.

- I recommend producing your factsheet in PowerPoint or similar software.

Your factsheet should be US Letter Size and must contain the following information:

- Factsheet title
- Your name
- Image(s) of your mineral
 - If you use an image from the internet or another student, you must reference it
- Interesting fact(s) about the mineral
- Mineral description:
 - Mineral formula (this may need to show a range of compositions)
 - List of useful mineral characteristics/properties*
 - Occurrence, short description of the deposit type (your assigned one) in which it is found.
- Economics:
 - Uses of the mineral
 - Value
 - Economic elements
 - “Criticality” of the mineral / element(s)
 - Projected future demands
- Bibliography **sorted** according to scholarly, popular and grey literature.

*Note that not every single characteristic, use, etc. needs to be listed. Consider which are important to describe the mineral to your fellow group members and use your judgement.

Submission: The assignment should be uploaded through Moodle.

Course Project, Stage 1: Mineral Factsheet – Grading Rubric

Student name:

Marks Category	1 (poor)	2	3 (fair)	4	5 (excellent)	Score
Title and Student Name	Missing title AND student name		Title OR student name		Title AND student name	/5
Design and Layout	Poor design AND confusing layout.	Good design AND confusing layout.	Good design OR easy to read layout.	Good design use AND easy to read layout.	Excellent design AND easy to read layout.	/15
Writing	Bullet point list AND poor spelling AND poor grammar.	Bullet point list AND good spelling AND grammar.	Paragraph(s) AND poor spelling AND poor grammar.	Paragraph(s) AND poor spelling OR grammar.	Paragraph(s) AND good spelling AND grammar.	/5
Photograph(s)	Blurry OR poor lighting AND with incorrect scale.	Blurry OR poor lighting AND with incorrect scale.	Good quality photo with incorrect scale.	Good quality photo with correct scale.	Good quality photo with correct scale and caption.	/10
Interesting fact(s)	Incorrect facts.	One correct fact.	One correct AND interesting fact.	More than one correct fact.	More than one correct AND interesting fact.	/5
Mineral description	Meets partial requirements, some incorrect data.	Meets partial requirements, correct data.	Includes everything from requirements, some incorrect data.	Includes everything from requirements, correct data.	Includes all of the following correctly: mineral formula, well-chosen characteristics / properties, occurrence & deposit.	/20
Economics	Incorrectly describes all of: uses; value; useful / economic elements; their “criticality”; and summary of future demands.	Correctly describes 2/5: uses; value; useful / economic elements; their “criticality”; and summary of future demands.	Correctly describes 3/5: uses; value; useful / economic elements; their “criticality”; and summary of future demands.	Correctly describes 4/5: uses; value; useful / economic elements; their “criticality”; and summary of future demands.	Correctly describes all of: uses; value; useful / economic elements; their “criticality”; and summary of future demands.	/20
Bibliography	Unsorted list	List with some attempt at sorting	List with sorting.	List with correct sorting	List with correct sorting and in-text citations	/15
Total						/95
						%

