

# Ores to Minerals

## Lesson 7

### Research Project

## STUDENT WORKSHEET

### Tips for Research Project

#### Tips for choosing a research question:

- Browse the USGS mineral resources site and see what interests you.
- Be clear and state what you need to do in your research question.
- Avoid questions that are too broad or too narrow.
- Consider what sources will be needed to answer your question
- Consider the time allotted and adjust the scope if needed.
- Refer to the previous lessons to refresh your knowledge of the topic.
- Be sure your teacher approves your research question before you begin research.

#### Tips for conducting research:

- Have a plan of attack that clarifies when and how you will do the research.
- Make sure your sources are reliable and cite them.
- Take notes as you do research to help you craft your report.
- Analyze your notes and decide how best to write the report. Examples of report modalities include:
  - A guidebook
  - A written report
  - A pamphlet
  - A slide deck (a template is provided)
  - A webinar/podcast
  - Other, as specified by the teacher
- If you need to modify your research question based on what you learn, that's okay. Get your teacher's approval for the modified research question and continue to research.
- Read the rubric to ensure you're fulfilling all the research requirements.

#### Tips for writing your report:

- Write a rough draft and revise it several times.
- Ask someone you trust to offer feedback as you revise the report.
- Check for spelling and grammar errors using a spell checker.
- Be creative and engaging.
- Read the rubric to ensure you are fulfilling all the writing requirements.
- Consider the structure needed to best present the information. Possible sections include:
  - Title Page
  - Abstract
  - Introduction
  - Research Methods
  - Results
  - Discussion
  - References
  - Tables and Figures
  - Conclusion