



Instructions: Fossil Preservation Worksheet

Recommended Grade: 6 and up

This worksheet is meant to accompany the “An Introduction to Fossils” slideshow. It is recommended that you go through the slides with your students prior to doing this activity.

Supplies:

- Educational slideshow “An Introduction to Fossils”
- Fossil preservation worksheets
- Writing utensils
- Computer, tablet, or other device for research

Learning Outcome:

- Identify some types of fossil preservation.

Additional Resources:

For teachers wanting to gain more knowledge on fossil preservation types, see the linked resources titled “The Story of Earth: An Observational Guide” and “Fossils: Windows to the Past” on page 30 under Supplemental Material.

Instructions:

This worksheet is meant to encourage students to think critically and apply the knowledge learned in the “An Introduction to Fossils” slideshow to new examples.

Once you have gone through the slideshow as a class, hand out the worksheets and have students research the different types of fossil preservation in more detail and fill out the worksheet.

Once everyone is finished, go over the answers as a class.

Ways to take it further:

Go through the list of different types of preservation and come up with examples of types of organisms that could potentially be preserved that way. Discuss this as a class or in groups and make a table to summarize your ideas.

Curricular Competencies:

The complexity of these competencies varies by grade. These are summarized from the [BC Curriculum](#) for brevity.

- Make predictions and inferences based on prior and given knowledge.
- Compare observations and predictions to suggest and/or develop possible explanations for findings.

Curricular Content:

- Crystalline structure of solids (**Grade 7**)
 - i.e., crystals formed by a unique arrangement of particles (e.g., rock candy, quartz, snowflakes).
- The fossil record provides evidence for changes in biodiversity over geological time (**Grade 7**).
- Plate tectonic movement (**Grade 8**).
- Layers of Earth (**Grade 8**).