

THE BARRINGER METEORITE CRATER

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Teacher Lesson 7: Final Reflection and Assessment on Impact Craters

Final activity to process the big lessons from this unit on impact craters. (50 minutes)

- Assign individuals or groups one or all final reflective questions.
- Assign criteria for answers: how many facts, specific examples for each answer? Sources cited?
- Give assessment guidelines (PowerPoint, essay, final test given by you, group discussion)

What do you know now about impact craters?

1. How is an impact crater's appearance different from a volcanic crater? (lesson 1)
2. Where on Earth are they? (lesson 2)
3. What happens during impact to the impactor and the surface? (lesson 3)
4. What effect does the angle have on the shape of the crater? (lesson 4)
5. How do different variables affect the shape of the hole and the resulting destruction caused by a meteorite impact? Are some variables more significant than others? (lesson 5)
6. Why did it take so long for the scientific community to accept impact crater origin theories? (lesson 6)
7. What have you learned about the scientific process? (lessons 1-6)

ASSESSMENT CRITERIA

Did students show evidence of learning about impact craters?

Did students show evidence of learning about the scientific process?

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