

Name _____

Famous Space Visitors

Mission Briefing: You've been assigned as a **Junior Cosmic Archivist** for the Galactic History Division. Your task is to research a **famous comet, asteroid, or meteor event** that has made a significant impact (literally or figuratively!) on Earth or human history. You will create a **Mission Dossier** that highlights key facts, scientific relevance, and the object's legacy.

Choose **one** of the following space objects/events or propose your own (with teacher approval):

- Halley's Comet
- The Tunguska Event (1908)
- Chelyabinsk Meteor (2013)
- Shoemaker-Levy 9
- Chicxulub Impact (Dinosaur Extinction)
- Comet NEOWISE
- Barringer (Meteor) Crater in Arizona
- Any other notable object/event related to asteroids, comets, or meteors

Mission Dossier Requirements: Answer the questions below to complete your research report. Use books, trusted websites, or videos to gather information. Write in complete sentences.

Dossier Questions:

1. **What object/event did you choose to research?**
(Name and type - comet, meteor, asteroid, etc.)
2. **When was it first observed or when did the event occur?**
(Give a specific date or range.)
3. **Where was it seen or where did the event take place?**
(For example: a country, continent, or general region of space.)
4. **What are the object's most notable characteristics or effects?**
(Example: tail length, brightness, speed, crater size, etc.)
5. **What impact did this object/event have on Earth or people?**
(Scientific, cultural, or physical impact.)
6. **Why do scientists or historians consider this object/event important?**
(Explain its significance in science or history.)
7. **Insert or describe a diagram or visual of your object/event.**
(You can draw, print, or describe in detail what it looks like.)
8. **Would you want to observe or visit this object/event in person (if safe)? Why or why not?**

