Investigate time. Explain your findings.

Code or initials: _____ Date: _____

Guiding question: what does physics allow us to say about time travel? Use this worksheet to prepare an article. Write the final text on separate paper or in the tool specified by your teacher.

1 / Start with a question

What is the difference between observing the past and travelling into it?

2 / Classify and explain

For each statement, decide: confirmed result, hypothesis or unsubstantiated claim. Give a reason and identify a source.

A. Looking at a distant star means receiving light emitted earlier.

B. Two clocks at different elevations can measure different elapsed times.

C. We can already build a machine to return to yesterday.

3 / An open question

Write a question that the reading has not resolved.

From sources to your article

4 / Compare two sources

Choose a precise claim to check. Record what each source supports and what it leaves uncertain. The sources need not discuss the same experiment.

Source	Author or institution, title and date	Claim, evidence and limitation
1	_____ _____	_____ _____
2	_____ _____	_____ _____

5 / Write and revise

Title: a precise question. **Opening:** why it matters. **Body:** two or three supported points. **Ending:** what is known and what remains uncertain.

Agreed length: _____ words. Submission: _____

- I distinguished observing the past from travelling into it.
- I explained an example in my own words.
- I identified two sources and the limits of their evidence.
- I followed the teacher’s rules on quotations, images and AI use.

6 / Improve with a partner

One clear explanation: _____

One sentence to check: _____

The change I made: _____

Reading and sources

Starting article: Can we travel through time? - Stadia Vitae

Source 1: NASA Space Place - Is Time Travel Possible?

Source 2: NIST - JILA Atomic Clocks Measure Einstein’s General Relativity at Millimeter Scale (16/02/2022).

Sources consulted on 30 October 2026. Both external sources are in English; the teacher may provide translated extracts clearly identified as translations.