

► Activity 2: Answer the following questions. Underline the parts of the relevant sentence(s) where the answer lies:

- 1) How do writers express their admiration for this mechanism?
- 2) How do the writers introduce their contribution to the ongoing research?
- 3) How do they refer to a gap in previous research?

For more
on research
papers, go
to Unit 22.

► Activity 3: Fill in the gaps in the following sentences using words/phrases from the list:

unresolved / decoded / corroded / split / rear / inscriptions / reconstruction / gears / come close to

1. Scientists were _____ into two opposing camps: those who believed that the find dated back to the 3rd century BC and those who believed that it dated back to the 4th century.
2. The cryptographer easily _____ the message.
3. Rare science books are held in special cabinets at the _____ of the library.
4. We need to find a solution to this long-standing _____ problem.
5. The Antikythera mechanism, this intricate hand-powered orrery, contains the earliest preserved _____ found in Europe.



The island of Antikythera, located in the southernmost area of the Peloponnese, between Kythira and Crete.

6. The excavations brought to light hundreds of silver coins with _____ in Greek.
7. These finds are useful, but they don't _____ telling us how the shipwreck occurred.
8. The _____ wires will need to be replaced so that accidents may be avoided.
9. Michael Wright was the first to design and build a _____ of the instrument.

► Activity 4: Paraphrase the underlined part(s) of the following sentences:

1. Only 82 fragments of the original mechanism survive.
2. The *Antikythera Mechanism* has challenged researchers ...
3. Inscriptions specifying complex planetary periods forced new thinking on ...
4. X-ray... decoded the structure of the rear of the machine but the front remained largely unresolved.

RWNT Integrating skills – Reading, Watching, Note-Taking & Presenting

In groups of four, a) read

1. the 2000 article on the topic at <https://academic.oup.com/astrogeo/article/41/6/6.10/225422>,
2. the 2012 article at <http://doi.org/2333.1/xgxd26r7> and
3. the 2021 article, the Abstract of which you have just read, at <https://www.nature.com/articles/s41598-021-84310-w>,

- b) watch the relevant video at <https://www.bing.com/videos/search?q=antikythera+mechanism&docid=608017178875674344&mid=95D425FD3BED13D43D4B95D425FD3BED13D43D4B&view=detail&FORM=VIRE> and

- c) take notes of the main points and present to class.