

Investigating the atom

Activity 1: Activity card

How does the mysterious tube work?

Investigate tubes in your group and discuss:

- Which kind of internal mechanism could explain the behaviour of the strings?
- How could you schematically represent a possible mechanism that could explain the internal construction of the tube?
- How could you test if this mechanism corresponds to the real internal structure of the tube?

Product of the group:

Develop a diagram to explain the group's ideas about how the mysterious tube works.

On one page, briefly describe the hypotheses, the tests performed and the group's conclusion about how the tube works. Use evidence and the diagrams you developed to support your arguments.

Evaluation criteria:

- The explanatory diagram is based on the hypotheses of the group members from the investigation of the tube.
- The product explains the tests performed and how they influenced the improvement of the explanatory diagram.

The conclusion about the functioning of the tube is based on evidence collected from the tests performed by the group.