

# WHERE IS ARCHIMEDES HIDING?

**SOLVE THE RIDDLE, REVEAL THE HIDING PLACE AND GET A REWARD!**

## BASIC INFORMATION

**Start:** Reception

**Finish:** Physics living room (ARPHYMEDES)

**Time needed:** Approximately 20–30 minutes

**Equipment:** A pencil and a UV flashlight (available at the reception)

**Who is the game for?** For playful minds

## HOW TO PLAY:

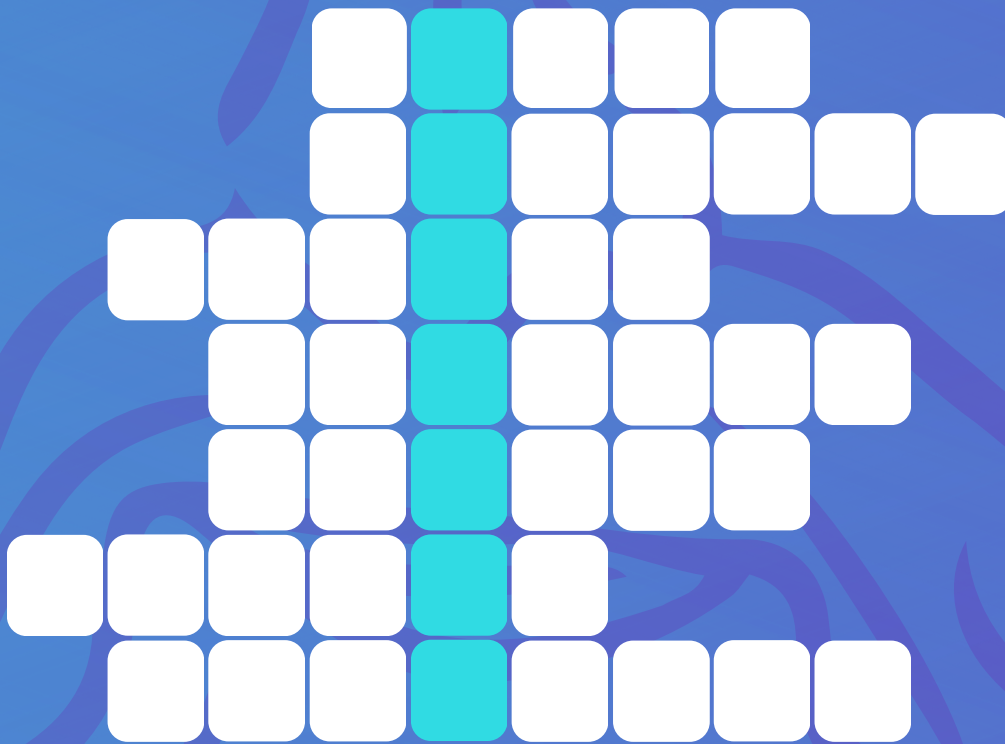
Each question in the riddle has a colored symbol. This symbol matches the thematic section of the exhibit the question is about.

- Find the correct exhibit, read its description, and fill the missing word into the riddle.
- Solve the entire riddle and move to the physics living room.
- Use the UV flashlight to reveal exactly where Archimedes is hiding.



ARPHYMEDES

**Do you have everything? If you tell the riddle's password at the reception and reveal Archimedes' hiding place, a well-deserved reward will be yours!**



05

THE SPINNING TOP HAS A SYMMETRICAL CYLINDRICAL, DISC-SHAPED BODY AND A \_\_\_\_\_ ENDING IN A SHARP POINT.

02

THE ARCHIMEDES SCREW IS ONE OF THE OLDEST KNOWN PUMPS. IT IS A \_\_\_\_\_ MECHANISM MOUNTED IN A TROUGH.

05

IF YOU MOVE THE LEVER DOWN, THE PRESSURE INCREASES AND THE PLASTIC BOTTLE DEFORMS — IT REDUCES ITS \_\_\_\_\_ .

05

THE LIGHT BEAM IS SPLIT INTO TWO EQUAL BEAMS, WHICH ARE THEN REFLECTED ON THE \_\_\_\_\_ AND RECOMBINED.

12

A DYNAMO IS A GENERATOR THAT CONVERTS MECHANICAL \_\_\_\_\_ INTO DIRECT CURRENT.

04

THIS CAN MAKE HAIR STAND ON END OR CAN GENERATE \_\_\_\_\_ .

08

THE GAUSSIAN CURVE SHOWS THE PROBABILITY DENSITY AND HAS THE SHAPE OF AN INVERTED \_\_\_\_\_ .