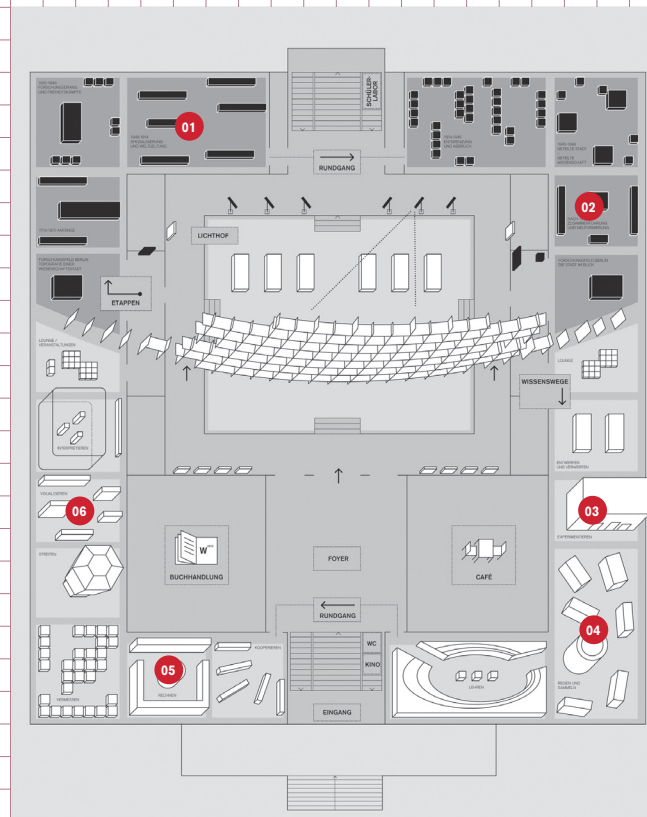


SOLUTION

05 02 04 03 01 06

Enter the letters from questions 1 to 6 as indicated in the grid.
The answer is the name of Germany's foremost city of science.

ROOM PLAN



- 01 1848–1914
Specialisation and Success
- 02 After 1989
Unity and Reform
- 03 Experimenting
- 04 Collecting
- 05 Calculating
- 06 Visualising

WORKSHEET »WELTWISSEN« CLASS 7 TO 10 (SECONDARY SCHOOL)



NAME _____

Can you answer these six questions on your way round the
»WeltWissen« exhibition? All the solutions are in the exhibits,
so just take a proper look. And enjoy the hunt.

01. WOMEN IN SCIENCE

Room: 1848–1914

Specialisation and Success

By the end of the nineteenth century tuberculosis was the main cause of death for young adults. The bacteriologist who played a decisive role in finding a cure was also the first woman to be appointed professor at the University in Berlin, in 1912. What was her name?

Answer _____

Enter the second-last letter of the first name in the grid.



02. NINTH SYMPHONY

Room: After 1989

Unity and Reform

The last movement of Ludwig van Beethoven's Ninth Symphony was chosen in 1985 to be the official anthem of the European Community. Until reunification in 1989 different parts of the original score were kept separately in East and West Berlin. Which German poet wrote the text that Beethoven set to music in the symphony?

Answer _____

Enter the second-last letter of the surname in the grid.



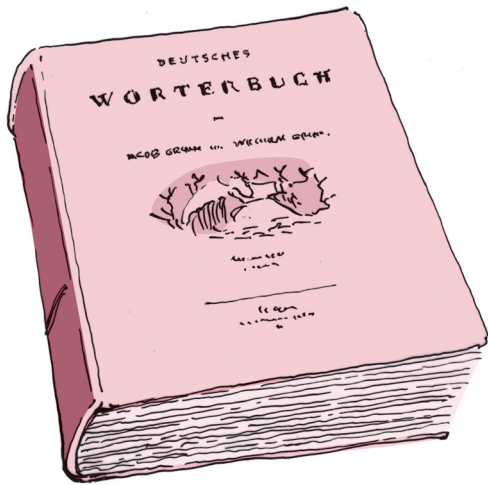
03. SPLITTING THE ATOM

Room: Experimenting

In 1938 the nuclear physicist Otto Hahn wrote to a colleague in exile describing how uranium atoms had disintegrated in his experiments and asking for her opinion. What is the name of the physicist who supplied the theoretical explanation for nuclear fission?

Answer

Enter the first letter of the first name in the grid.



04. THE GRIMM DICTIONARY

Room: Collecting

In 1838 the brothers Jacob and Wilhelm Grimm began work on a German dictionary to include the etymology, meaning and usage of all German words. The ambitious project was not finished until 123 years later. What was the last entry written by the Brothers Grimm themselves?

Answer

Enter the second letter in the grid.

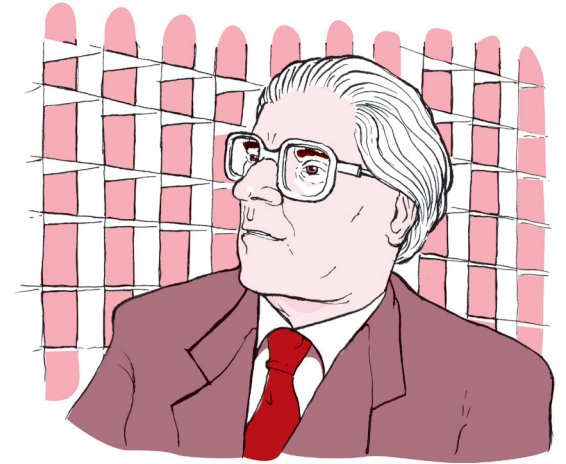
05. COMPUTING MACHINE

Room: Calculating

The Zuse Z3 was the world's first functioning computer. What number system was used by this computer (and all computers today)?

Answer

Enter the first letter in the grid.



06. REVEALING THE INVISIBLE

Room: Visualising

Doctors have different methods for finding out what is happening inside the body. One is used especially when a broken bone is suspected. Which scientist discovered the rays that pass through the human body and reveal what is otherwise invisible?

Answer

Enter the third letter of the surname in the grid.

