

The scientific method

Learn the six steps. Then find each step in a real experiment.

Scientists answer questions by testing them. The **scientific method** is a set of steps that helps them test fairly and share what they learn.

① Write the six steps in order in the flow chart. Use the word bank. _____

STEPS

Record your observations

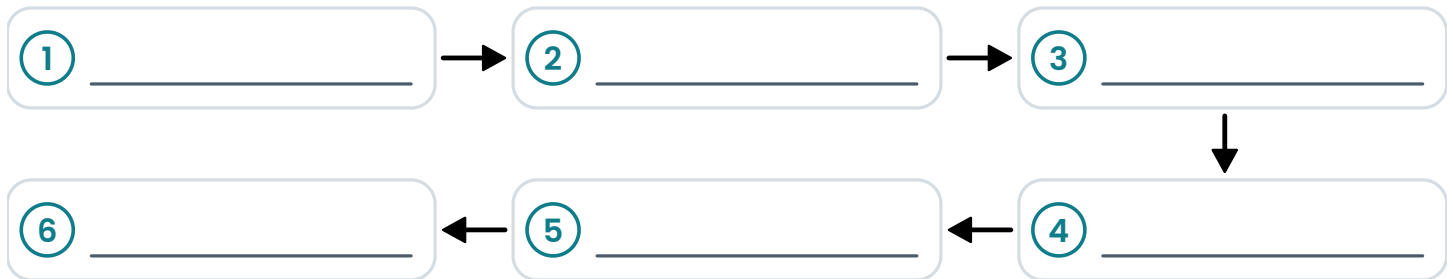
Ask a question

Share your results

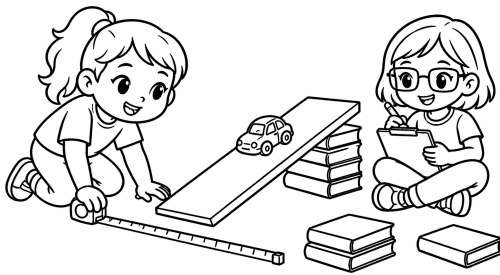
Test it with an experiment

Draw a conclusion

Make a hypothesis



② Amaru and Mei did an experiment. Write the step number for each sentence. _____



They measure how far the car rolls each time and write the numbers in a table.

Amaru wonders: does a toy car roll farther from a higher ramp?

They make a poster to show the class what they found.

Mei predicts: if we make the ramp higher, then the car will roll farther, because it will go faster.

The car rolled farthest from the highest ramp, so their hypothesis was supported.

They roll the same car down the ramp on 2, 4 and 6 books, three times each.

③ A fair test changes only one thing. _____

1. Why did Amaru and Mei use the same toy car every time?
