

# Forces investigation planner

**Name:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Other members of your team:** \_\_\_\_\_

What are you going to investigate?

What do you predict will happen? Why?

Can you write it as a question?

Give scientific explanations for your prediction.

**To make this a fair test, what things (variables) are you going to:**

Change?

Measure/Observe?

Keep the same?

Change only one thing.

What would the change affect?

Which variables will you control?

What equipment will you need?

Describe how you will set up your investigation?

Use dot points.

Use drawings if necessary.

**Write and draw your observations in your science journal.**

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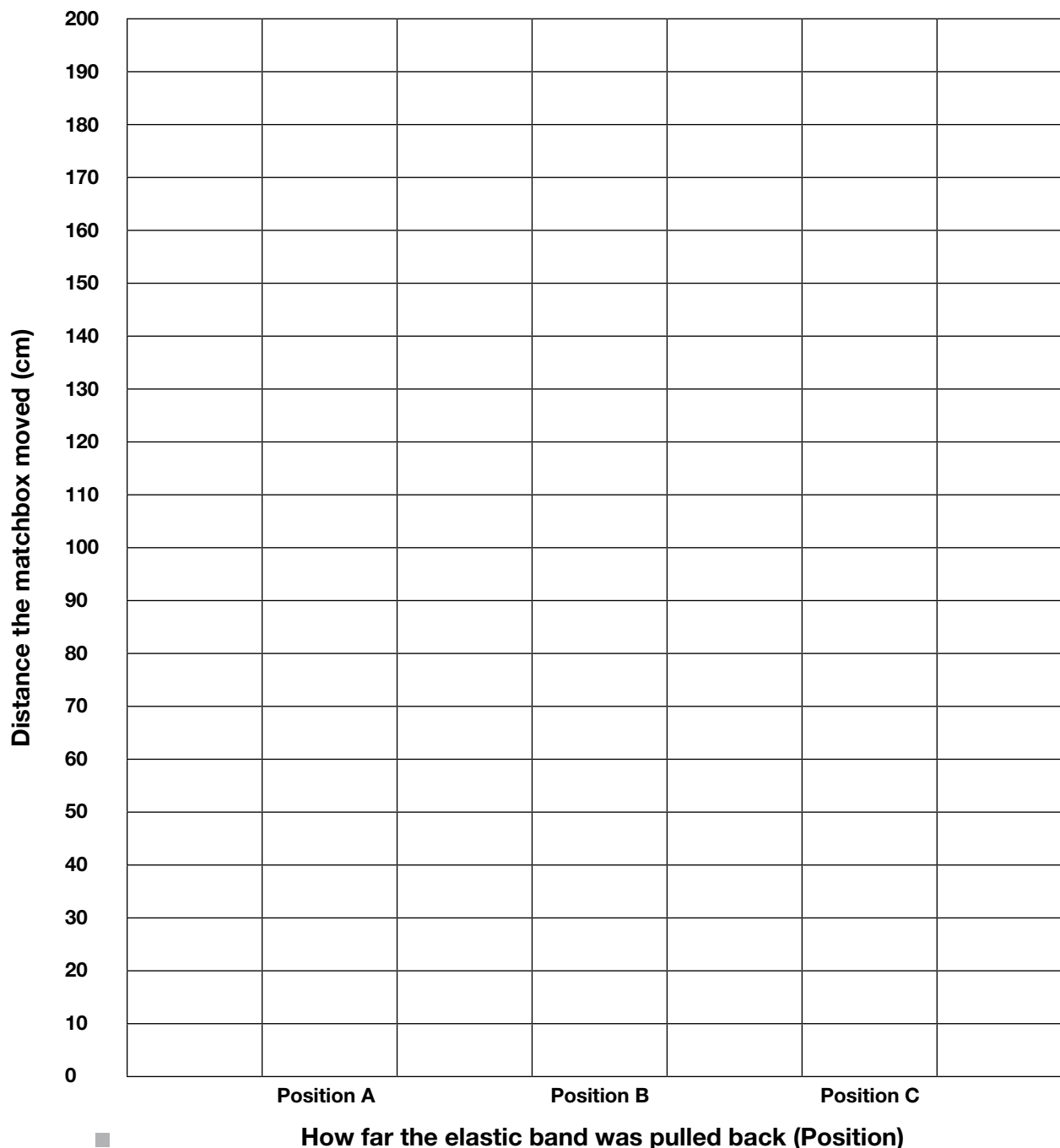
## Recording and presenting results

Record your results in a table.

Finding out about forces	
Position	Distance the matchbox moved (cm)
A	
B	
C	

Present your results in a column graph.

**The effect of different-sized forces on the distance a matchbox moves**



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## Explaining results

What happened to the matchbox when you changed how far the elastic band was pulled back?

Why did this happen?

Did the result match your prediction? If not, how was it different?

## Evaluating the investigation

What challenges did you experience during the investigation?

How did you, or could you, overcome them?

How could you improve this investigation? (fairness, accuracy)