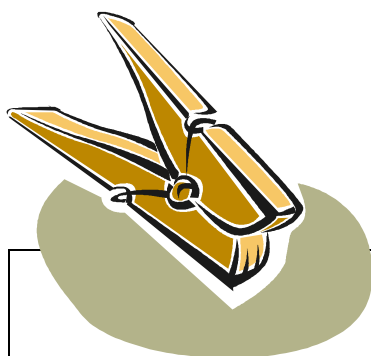


## Student booklet

Name: \_\_\_\_\_



### Quite the pin!

Exploring the world of science and technology also includes analysing objects that surround us to better understand them. What is this object? What is it used for? How does it work? How is it built?

#### Your mission

Here are two very similar clothespins. I would like you to test them and to choose which of the two seems better to you. Then, you will have to describe it and explain how it works.



*Initial ideas*

**First, here are two different clothespins.**

What is this object used for?

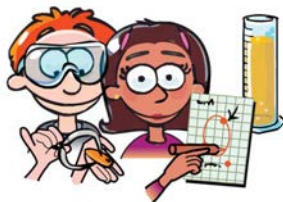
How does it work?

**Your hypothesis:**

In your opinion, which is the better clothespin?

Cr1 Appropriate description of the problem

Formulation of a tentative or explanation or solution



***Planning and carrying out***

**Observe the materials and plan your performance test.**

How will you go about finding the better of the two pins?

**Materials:**

**Show your test using a sketch:**

**My process:**

Cr2 Application of an appropriate procedure	Planning of work	
	Implementation of procedure	
	Readjusting the process, as required	
Cr3 Appropriate use of instruments, tools or techniques	Handling of objects, tools or instruments	
	Observance for safety rules	





### **Outcome**

On page 2, in the Your Hypothesis section, had you identified the winning clothespin?  
If so, answer question 1.  
If not, answer question 2.

1. Based on the results of your test and your observations, explain why clothespin  
\_\_\_\_\_ is the better one.

2. Based on the results of your test and your observations, explain why clothespin  
\_\_\_\_\_ is not the better one.

3. Present an unforeseen event or a problem you encountered during your experiment. Write what you did.

Cr2 Application of an appropriate procedure	Implementation of procedure	
Cr 4 Appropriate use of scientific and technological knowledge	Production of explanations or solutions	

**Outcome**  
**What I learned**



**My definition**



Sketch: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

Friction: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

Material: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

Property: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

What else did you learn?