

Activity 6B Which Surface Is Best?

P.52

 **Skills:** Create tables and diagrams to show observations, analyse results to answer a scientific question

Materials:

Pen	Plastic sheet	Sandpaper
Cardboard	Writing paper	Aluminium foil

Method

- 1 Use a pen to write your name on the different materials.
- 2 Take note of how easy or hard it is to write on each material and record your observations in the table below.

Material	Type of surface (rough/smooth)	Observation (easy to write/hard to write)
plastic sheet	smooth	hard to write
sandpaper	rough	easy to write
cardboard	rough	easy to write
writing paper	rough	easy to write
aluminium foil	smooth	hard to write

3 Which type of surface was it harder to write on?

smooth surfaces

4 Why is it harder to write on some surfaces than others?

There is less friction between smooth surfaces and the pen, so the pen will slip

5 Where else is friction created to help you to write?

Friction is created between the fingers and the pen.