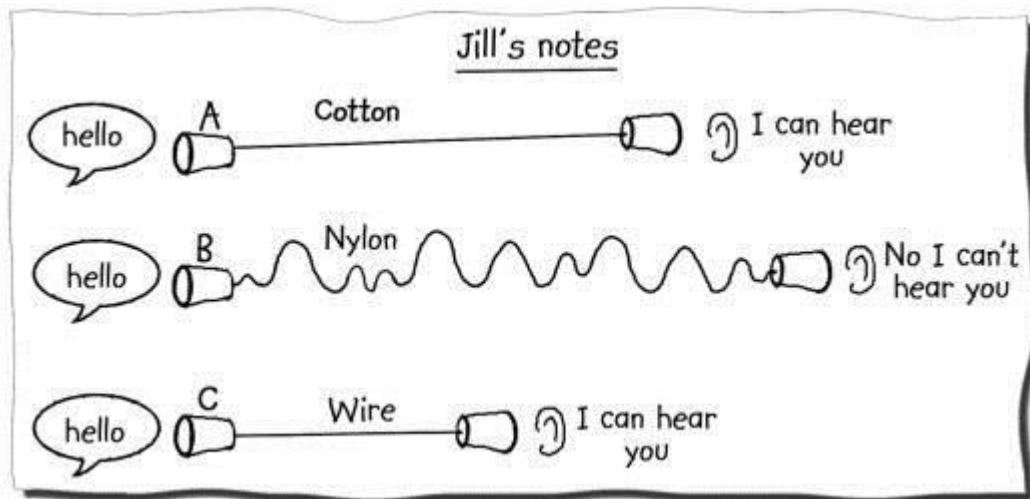


Q5.

Travelling sounds

- (a) Jill investigated whether or not sound travelled through different materials.

She made three telephones using plastic cups.
She used different materials to connect the cups.
One child talked through the telephone and Jill listened.



Look at Jill's notes of her investigation.

How many different materials did Jill test?



.....

1 mark

- (b) What was the factor Jill observed or measured to collect her results?



.....

1 mark

- (c) Jill changed three factors at the same time.

Complete the list to show the **THREE** factors Jill changed in this investigation

The first one has been done for you.

1. **The tightness of the line**

.....

2

.....

3

.....
.....

2 marks

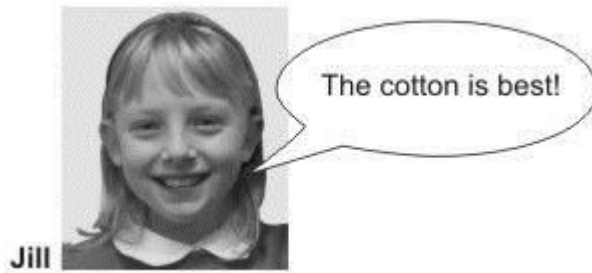
(d) Why is it important to change only **ONE** factor at a time in an investigation?

.....

1 mark

(e) Jill carried out her investigation of sound travelling through different materials again. She made sure only one factor was changed.

Jill described her conclusion.



Jill's teacher said this was **not** a useful science conclusion for her investigation.

Why was Jill's conclusion **not** a useful science conclusion?

.....

.....

.....

1 mark