

Testing the strength of natural polymers – teacher and technician notes

Education in Chemistry

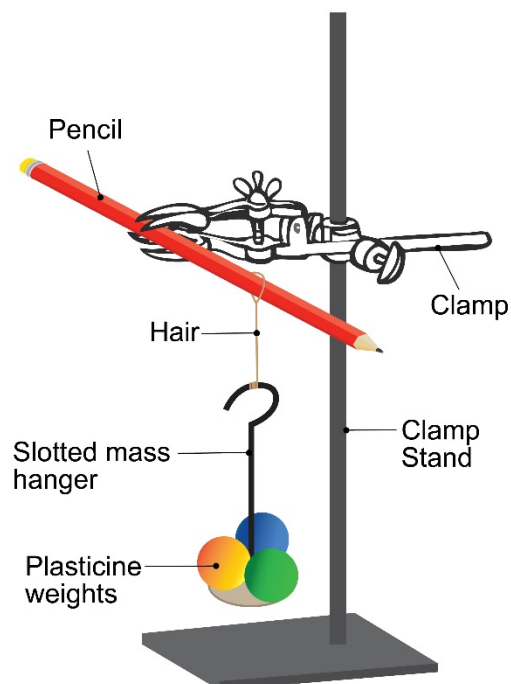
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rsc.li/EiC417-medical-plastics

This experiment accompanies the above article 'Body, heal thyself'

Apparatus

- Clamp and stand
- Pencil
- Hair and wig samples
- Slotted masses
- Plasticine
- Access to a balance



Sample results

Sample	Colour	Human/Synthetic	Dyed/Undyed	Mass added to break (g)
1	Black	Human	Undyed	90
2	Red	Human	Dyed	168
3	Brown	Human	Dyed	149
4	Brown	Human	Undyed	95
5	Blonde	Human	Dyed	139
Hairpiece	Brown	Synthetic	Dyed	110