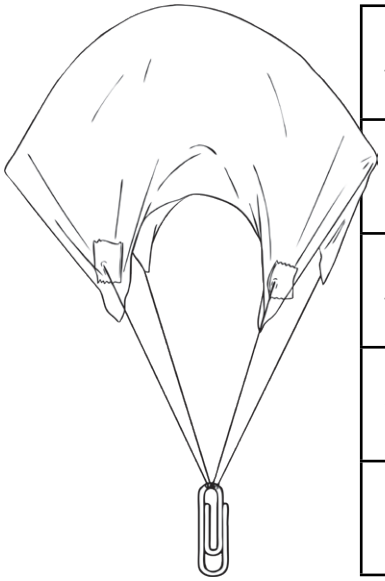
Perfect Parachutes

To investigate the effects of air resistance.

You have been asked to redesign a parachute for the Super Skydiving Company. You will make three parachutes and see which type of parachute falls the slowest. Which variable will you change about your parachute each time? Which variable will you measure?

Variable that I will change about my parachute each time:



Size of parachute	
Height of drop	
Shape of parachute	
Object attached to parachute	
Length of string to attach object to parachute	

Variable that I will measure: _____

Why is it important to keep the other variables the same?

_____

_____

I think that the parachute that will fall the slowest will be the _____

_____

I think this parachute will have the most air resistance because _____

_____

Complete your results in the table below:

	Description of parachute (e.g. size/ shape/material)	Variable to measure (e.g. time taken for parachute to hit the ground) _____
Parachute 1		
Parachute 2		
Parachute 3		

Now take repeat readings.

	Description of parachute (e.g. size/ shape/material)	Variable to measure (e.g. time taken for parachute to hit the ground) _____
Parachute 1		
Parachute 2		
Parachute 3		

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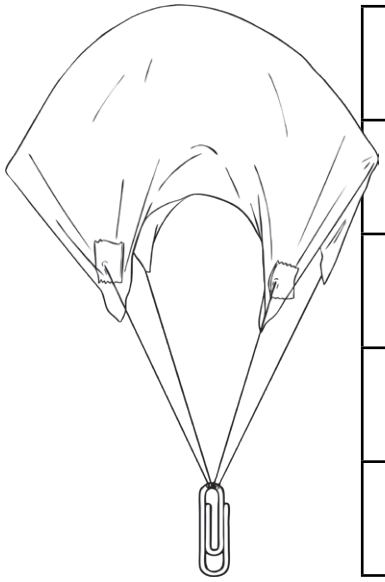
Variable that I will change about my parachute each time:



Size of parachute	
Height of drop	
Shape of parachute	
Object attached to parachute	
Length of string to attach object to parachute	

Variable that I will measure: _____

Why is it important to keep the other variables the same?

_____

_____

My prediction: (explain what you think will happen, which parachute will have most air resistance and which will fall the slowest):

_____

_____

Complete your results in the table below:

Parachute 1		
Parachute 2		
Parachute 3		

Now take repeat readings.

Parachute 1		
Parachute 2		
Parachute 3		

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You have been asked to redesign a parachute for the Super Skydiving Company. You will make three parachutes and see which type of parachute falls the slowest. Which variable will you change about your parachute each time? Which variable will you measure?

Variable that I will change about my parachute each time:

_____

Variable that I will measure: _____

Why is it important to keep the other variables the same?

_____

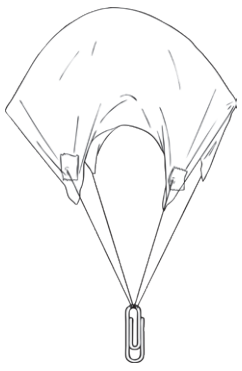
_____

Write a prediction of what you think will happen and which parachute will fall the slowest. Make reference to air resistance in your prediction.

_____

_____

_____



Fill in the table, including the headings:

Parachute 1		
Parachute 2		
Parachute 3		

Now take repeat readings.

Parachute 1		
Parachute 2		
Parachute 3		