PLANT AND LIGHT INVESTIGATION			
AIM:			
INDEPENDENT VARIABLE	DEPENDENT VARIABLE		
WHAT SAMPLES ARE WE TESTING?			
ACCURATE MEASUREMENTS OF VARIABLES (IV, DV)	VALIDITY: HOW TO CONTROL OTHER VARIABLES		
	Variable How you kept it the same		
RELIABILITY:	EQUIPMENT DIAGRAM/NOTES		
CONSISTENT TRIALS			
	Mz		
	LIVEWORKSHEET		

ate to the sector

Copy or cut out the following things and glue them into the right part of your investigation worksheet.

White Blue Green Red No light

Measured the amount of water with a measuring cylinder and weighed the soil to make sure all the plants got the same resources.

- 1. Collect 15 radish plants and water them with 10 mL of water.
- 2. Measure the starting height of all the plants.
- 3. Place 3 plants into their own separate closet, make sure all closets are at the same temperature.
- 4. For closet number 1, shine normal white light onto the 3 plants.
- 5. For closet number 2, shine blue light onto the 3 plants.
- 6. For closest number 3, shine green light onto the 3 plants.
- 7. For closet number 4, shine red light onto the 3 plants.
- 8. For the last closet, don't shine any light onto the 3 plants.
- 9. Every day for a week, water the plants again with 10 mL of water.
- 10. At the end of the week, measure all the final heights of the plants.
- 11. Substrate the starting height from the final height to see how much the plants grow over the week.

To Investigate how light colour affects plant height

## Variable How you kept it the same Same amount of water Each plant got the same amount of water each day. A radish plant was used in all three experiments. Same type of plant. All plants were grown at room temperature.

Repeated the experiment 3 times.

Colour of the light

Height of the plant

Colour of light	Change of Height (cm)				
	Trial 1	Trial 2	Trial 3	Average	
White	23	19	27	23	
Blue	14	15	13	14	
Green	5	5	5	5	
Red	18	20	16	18	
No light	2	3	1	2	

The plants that were under the white light grew the most, where as the plants that grew the list was the one that had no light.

When ranking the coloured lights, the heights to lowest was red, blue, and then green.

