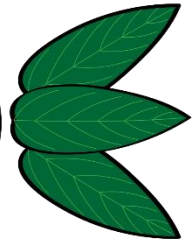
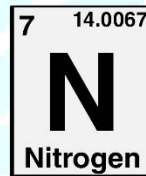
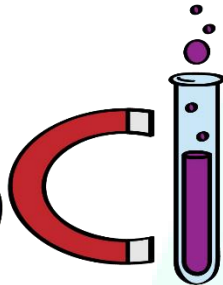
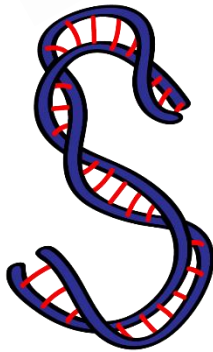




ASPIRE
INTERNATIONAL SCHOOL



Science Department

2023/2024

Year 7

Term 1 , Week 3

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Name:

Class:



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Worksheet: 2.2A

Finding mistakes

Some learners have been heating water and recording the temperatures every minute. They used the same volume of water from the same tap on the same day. Here are their results.

Sofia's results	
Time in minutes	Temperature in °C
0	0
1	25
2	32
3	45
4	56
5	63
6	78

Arun's results	
Time in minutes	Temperature
0	25
1	36
2	36
3	48
4	59
5	71
6	82

Marcus's results	
Time in minutes	Temperature in °C
0	25
1	36
2	47
3	52
4	68
5	79
6	89

- 1 Look carefully at Sofia's results. One of her results does not look quite right. What do you think she has done wrong?

- 2 Look carefully at Arun's results. He has made two mistakes. What are they?

- 3 a Look carefully at Marcus's results. One of his results does not fit the pattern. Which is it?

- b What should Marcus do about this result?

Worksheet 2.2A

Finding mistakes

- 1 Sofia has written the temperature of the water at the start of her experiment as 0°C . She has taken it from the same tap as everyone else, so it cannot be at 0°C .
- 2 Arun has not written the units for temperature in his results table and the second mistake is that the temperature of the water at two minutes is exactly the same as the temperature at one minute.
- 3 Marcus's result at two minutes is only 5°C above the temperature at one minute. All the other temperature increases are at least 10°C per minute.