



education

Department of
Education
FREE STATE PROVINCE

PRACTICAL TASK / *PRAKTIESE TAAK*

GRADE 10 / *GRAAD 10*

**PHYSICAL SCIENCES
*FISIESE WETENSKAPPE***

MEMORANDUM

MARCH 2018 / *MAART 2018*

MARKS: 15 / *PUNTE: 15*

TIME: 30 MINUTES / *TYD: 30 MINUTE*

This memorandum consists of TWO pages.
Hierdie memorandum bestaan uit TWEE bladsye.

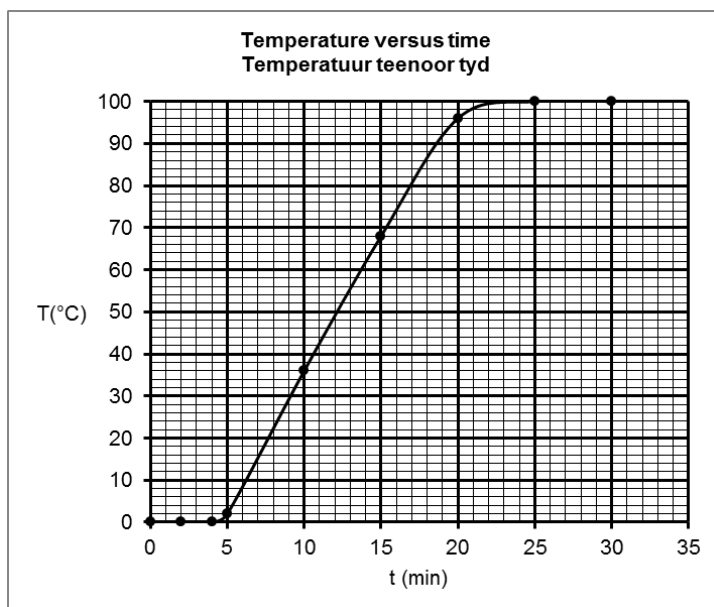
QUESTION 1 / VRAAG 1

1.1 X: Thermometer / *Termometer* ✓
Y: Bunsen burner / *Bunsenbrander* ✓ (2)

1.2.1 Temperature / *Temperatuur* ✓ (1)

1.2.2 Time / *Tyd* ✓ (1)

1.3



Axes labelled correctly; T on y-axis and t on x-axis with units. <i>Asse korrek benoem; T op y-as en t op x-as met eenhede.</i>	✓	(6)
Suitable divisions on axes. <i>Geskikte indelings op asse.</i>	✓	
Any two points plotted correctly. <i>Enige twee punte korrek geplot.</i>	✓	
Any three other points plotted correctly. <i>Enige drie ander punte korrek geplot.</i>	✓	
Any four other points plotted correctly. <i>Enige vier ander punte korrek geplot.</i>	✓	
Correct shape for graph <i>Korrekte vorm vir grafiek</i>	✓	

1.4 25 s - 30 s ✓ (1)

1.5 84°C - 88°C ✓ (1)

1.6 Two / *Twee* ✓ (1)

1.7 It distributes ✓ the heat ✓ from the flame. Die versprei ✓ die hitte ✓ van die vlam. (2)

GRAND TOTAL / GROOTTOTAAL: 15