

## TAP 404- 6: Excel file “potential gradient and field strength”

Double click on the table below. An excel file should open. Note that there are two workbooks

### Potential Gradient and Field Strength

Gravitational Constant, G	6.67E-11 Nm <sup>2</sup> kg <sup>-2</sup>
Mass of the earth, M	5.98E+24 kg
Radius of the earth, R	6.38E+06 m

Height (km)	Potential (MJ/kg)	Change in potential (MJ/kg)	Change in potential (J/kg)	Change in potential per metre (N/kg)
0	#DIV/0!	-	-	-
100	0.0			
200	0.0			
300	0.0			
400	0.0			
500	0.0			
600	0.0			
700	0.0			
800	0.0			
900	0.0			
1,000	0.0			
1,100	0.0			
1,200	0.0			
1,300	0.0			
1,400	0.0			
1,500	0.0			