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|  |  | Osmosis experiment write-up GCSE to BTEC Applied Science—Transition project two  |
| GCSE to BTEC Applied Science—Transition project two **Your task**— To use the information provided and your own research on the subject to create a full write-up for the Osmosis potato chip experiment. **It will need to include:**A full methodA results table—correctly formatted with averages calculated.A graph—With a correct scale, Axis labels. (this can be done on Excel or other software programs)A conclusion—Explain the results, does it support the hypothesis? You have been provided with the hypothesis, an equipment list, key measurements used and a rough copy of the results.   |  | information providedEquipment listGlucose solution of the following concentrations – 0, 0.2, 0.4, 0.6, 0.8Beakers, Measuring cylinder, Potato, Potato borer, Top pan balance, weighing boat, ruler, scalpel, white tile, stop clockHypothesis and key measurementsMeasurements - Size of potato chip – 3cm length. Volume of solution used – 30cm3  Length of time left for – 40 minutes.Hypothesis – The internal concentration of the glucose in the potato can be calculated as at this point the potato neither gains or loses mass. Rough results gainedAttempt One 0M – Beginning mass 6.14g End mass – 6.92g0.2M - Beginning mass 6.24g End mass – 6.36g0.4M - Beginning mass 5.91g End mass – 5.03g0.6M - Beginning mass 6.30g End mass – 5.05g0.8M - Beginning mass 5.82g End mass – 4.04gAttempt Two 0M – Beginning mass 6.52g End mass – 7.30g0.2M - Beginning mass 5.95g End mass – 6.09g0.4M - Beginning mass 6.39g End mass – 5.63g0.6M - Beginning mass 6.23g End mass – 5.06g0.6M - Beginning mass 6.34g End mass – 4.52gAdditional resources and links On-line graph paper - <https://www.printablepaper.net/category/graph>Osmosis theory - <https://www.bbc.co.uk/bitesize/guides/zwkn7p3/revision/4><https://www.bbc.co.uk/bitesize/guides/z22vw6f/revision/5><https://samanthafinglassapbio.wordpress.com/2015/09/11/osmosis-and-its-effects-on-potatoes-in-glucose-solutions/> |