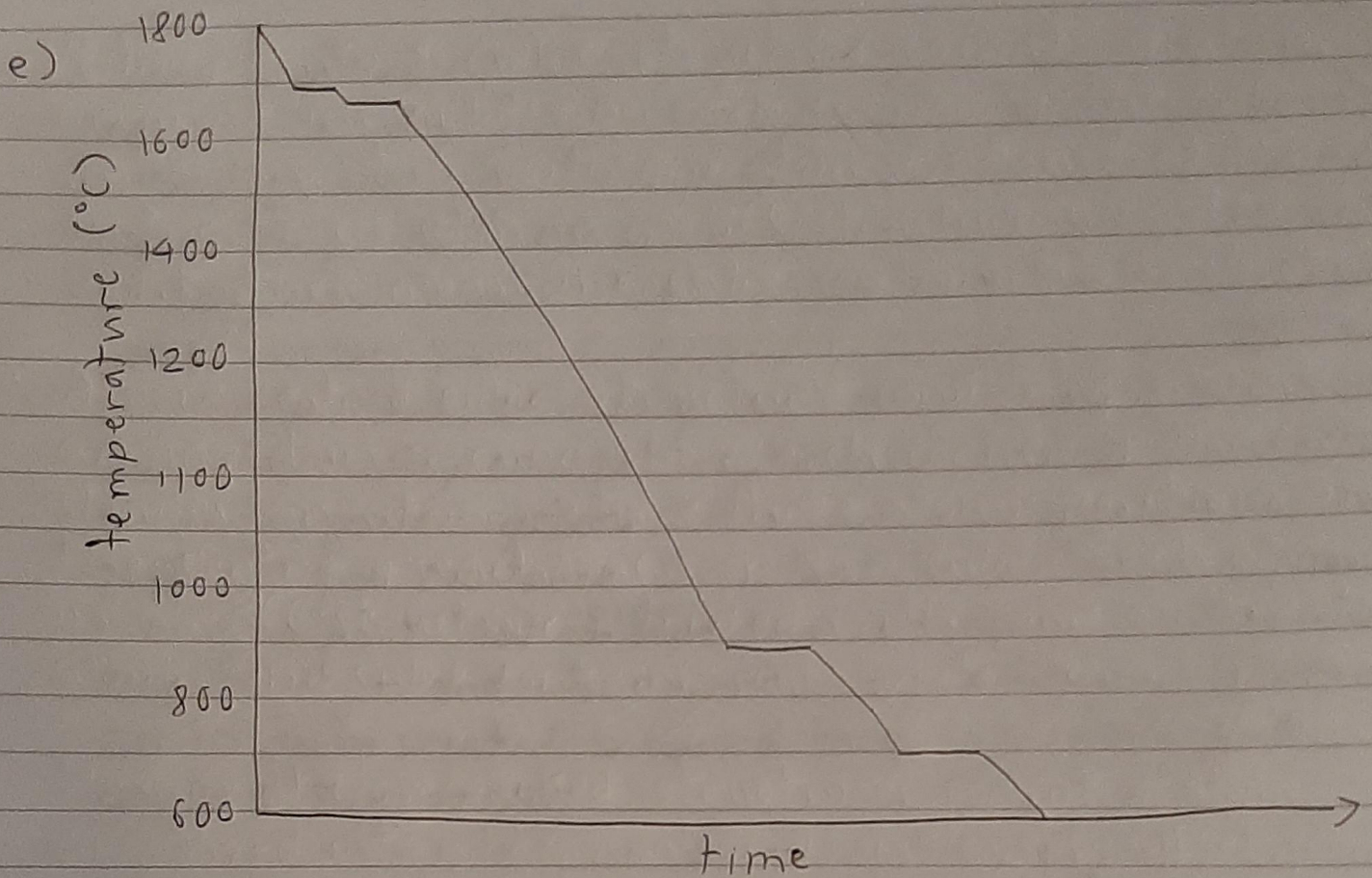


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David de Vall

2010959

ACMA 4000



3. a) ~~Metals~~, Technical ceramics and composites should be considered for this application. This is because they have the lowest density possible for the highest Young's Modulus available: Young's Modulus describes the ratio between stress and strain of a material, so the higher it is the less the chassis will deform under stress.

b) Some woods have a Young's modulus to density ratio comparable to lower-end composites or ceramics allowing them to handle the same load.