WHERE POSSIBLE, ANSWER ALL THE QUESTIONS, WITH NOTES AND SKETCHES. CLICK THE FAMOUS BUILDINGS FOR HELPFUL LINKS.

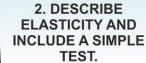
PROPERTIES OF MATERIALS - KNOWLEDGE MAP

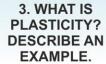
ORLD ASSOCIATION OF TECHNOLOGY TEACHERS https://www.facebook.com/groups/25496344819282

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1. EXPLAIN THE PROPERTY CALLED 'TENSILE STRENGTH'. INCLUDE A SIMPLE TEST FOR THIS PROPERTY.





4. WHAT IS THE DIFFERENCE BETWEEN DUCTILITY AND MALLEABILITY?

5. DESCRIBE A
WORKSHOP TEST
FOR DUCTILITY AND
MALLEABILITY.





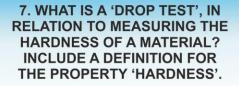






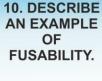


6. WHAT IS MEANT BY 'CONDUCTIVITY' OF A MATERIAL? HOW CAN IT BE MEASURED?























PROPERTY.



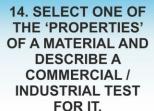
11. HOW WOULD YOU DESCRIBE THE 'YIELD STRENGTH' OF A MATERIAL?

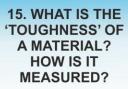


12. DEFINE 'STRAIN' AND SKETCH A WORKSHOP TEST.



13. HOW IS THE
'STIFFNESS' OF A
MATERIAL
DETERMINED?
INCLUDE A
DEFINITION OF THIS
PROPERTY.







Can you name all these famous buildings?