

WORLD DISTRIBUTION OF NATURAL WOODS

TO ANSWER ALL THE QUESTIONS YOU WILL NEED TO DOWNLOAD THE 'SOURCES, ORIGINS, PREPARATION OF NATURAL WOODS' APP, FROM THE INTERACTIVE MOBILE APP SECTION OF www.technologystudent.com

LINK

http://www.technologystudent.com/mobapps/material_sources1.pdf

Once you have downloaded the App, you can use it to navigate the website. You may need to follow the links on each page of the App, to research / complete answers to all the questions.

**ARE YOU READY?
USE THE MOBILE App!!**

1

THREE TYPES OF FOREST ARE LISTED BELOW. DESCRIBE THEIR LOCATION IN THE WORLD

BOREAL FORESTS

RAIN FORESTS

TEMPERATE FORESTS

2

NAME THE WOODS FOUND IN BOREAL FORESTS

WHAT ARE THESE WOODS USED TO MANUFACTURE?

3

SHADE THE AREAS THAT ARE HOME TO BOREAL, RAIN AND TEMPERATE FORESTS. CLEARLY INDICATE THE COLOUR SELECTED FOR EACH TYPE OF FOREST.



4

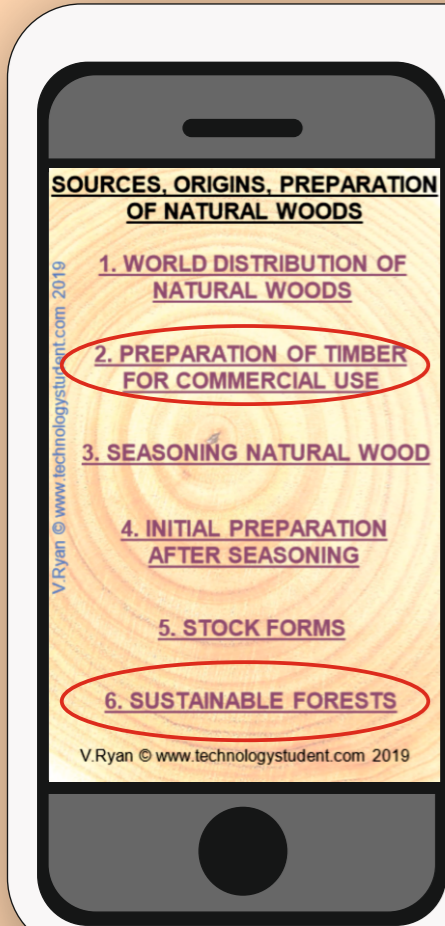
NAME SOME OF THE EXOTIC WOODS FOUND IN RAIN FORESTS

5

TEMPERATE FORESTS TEND TO BE MADE UP OF 'DECIDUOUS' TREES. WHAT ARE DECIDUOUS TREES?

NAME TWO DECIDUOUS WOODS

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PREPARATION OF TIMBER FOR COMMERCIAL USE

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1 DESCRIBE THE FIRST STAGE OF TIMBER PREPARATION, CARRIED OUT BY A FORESTRY WORKER.

2 AFTER CUTTING DOWN, WHY ARE TREES STACKED AND STORED IN THE FOREST?

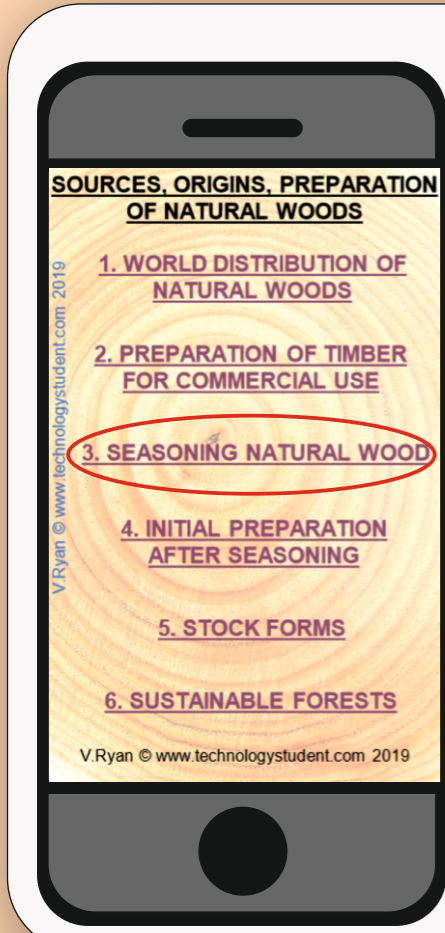
3 THE FIRST STAGE OF 'CONVERSION' OF TIMBER, IS TO SAW THE TREES INTO USABLE 'BOARDS'. NAME THE TWO TYPES OF SAWING SHOWN BELOW

4 NAME THE MACHINERY USED TO SAW THE TREES INTO SECTIONS SHOWN IN QUESTION 3.

THE FIRST STAGE OF CONVERSION IS A PROCESS CALLED:

5 WHAT IS A SUSTAINABLE FOREST?

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SEASONING OF NATURAL WOOD

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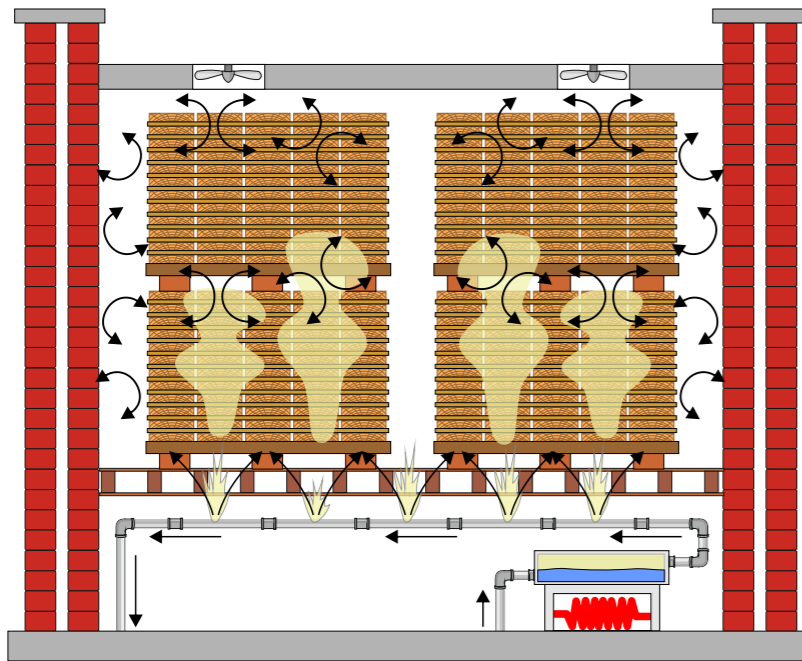
1

SEASONING WOOD, REMOVES WATER FROM THE TREE / BOARDS AFTER CUTTING/SAWING. WHAT IS AIR SEASONING?

DRAW A DIAGRAM / SKETCH THAT REPRESENTS AIR SEASONING.

2

THIS DIAGRAM REPRESENTS KILN SEASONING. IN THE NEXT BOX, DESCRIBE THE PROCESS



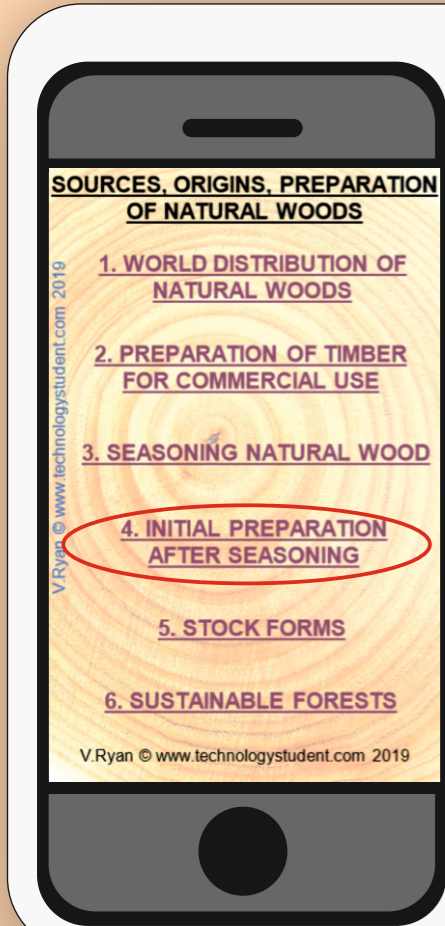
YOUR EXPLANATION OF KILN SEASONING.

3

OTHER FORMS OF SEASONING ARE: SOLAR SEASONING, MICROWAVE SEASONING AND CHEMICAL SEASONING. SELECT ONE AND DESCRIBE IT BELOW

SEASONING: _____

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INITIAL PREPARATION AFTER SEASONING

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1 WHAT IS ROUGH SAWN TIMBER?

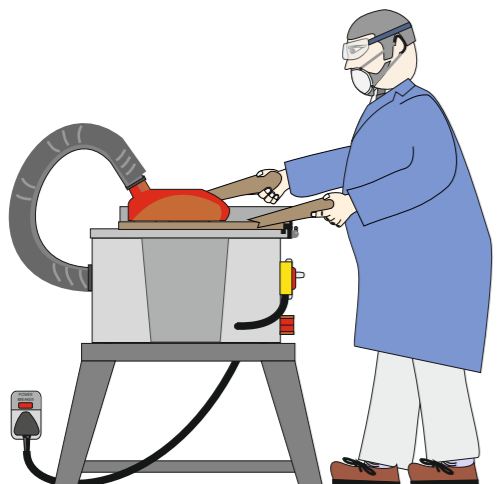
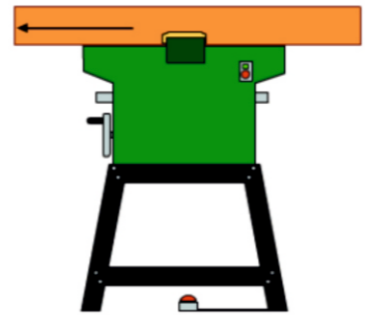
WHERE IS ROUGH SAWN TIMBER LIKELY TO BE USED?

2 WHAT IS PLANED TIMBER AND HOW DOES IT DIFFER FROM ROUGH SAWN?

3 NAME THE EQUIPMENT BELOW. THEY ARE USED TO PREPARE TIMBER FOR COMMERCIAL USE.

NAME: _____ NAME: _____

ROUGH SAWING PRODUING ACCURATE EDGES

PRODUCING A 'FACE EDGE'

4 WHAT IS THE MEANING OF 'PAR'?

WHAT IS THE MEANING OF 'PBS'?

5 AFTER PREPARATION, HOW IS PLANED WOOD CHECKED FOR ACCURACY?

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WOOD STOCK FORMS

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1

WHY DO YOU THINK WOOD IS PROCESSED INTO STANDARD FORMS?

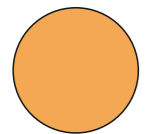
2

SKETCH A RECTANGULAR SECTION BOARD? LABEL THE 'LENGTH' AND 'SECTION'.

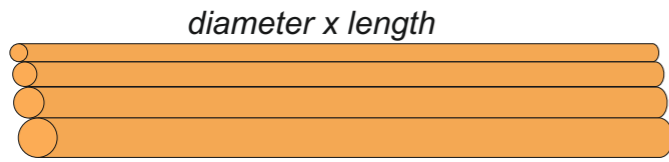
3

NAME THE STANDARD FORM SHOWN BELOW

NAME: _____



SECTION



LENGTH



4

MANMADE BOARDS ARE SUPPLIED AS 'SHEETS'. WHAT IS THE DIFFERENCE BETWEEN 'FULL' AND 'HALF' BOARDS?

5

WHAT IS VENEER?

WHAT ARE MOULDS?

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