

Carpentry level 2
Preparing surfaces for decoration

**Softwood, hardwood and timber
sheet materials activities**



Name _____

Date _____

Preparing surfaces for decoration

Activity 1:

1. Identify two softwoods

a. _____

b. _____

2. Identify two hardwoods

a. _____

b. _____

Activity 2: Softwoods & Hardwoods

Describe the following timbers and explain their uses in the construction industry.

Timber	Uses
	<p><u>Pine [wrot/planed]</u></p>
	<p><u>Oak</u></p>
	<p><u>Pine [unwrot, sawn]</u></p>
	<p><u>Mahogany</u></p>

Activity 3:

Timbers are identified as softwood and hardwood, according to their characteristics.

Using your notes complete the table below

Hardwood	Softwood

Activity 4:

In groups describe the following properties of timber and complete the table below:

Porosity	
Adhesion	
Capillaries	

Activity 5:

What is the maximum moisture content of timber prior to priming?

Briefly explain the following ways to remove moisture:

Seasoning -

Kiln drying -

What instrument is used to check the moisture content of timber prior to priming?

Activity 6: Timber sheets and boards

Match the correct names with the images below.

MDF

Chipboard





Hardboard

Plywood



Activity 7: Timber boards

Identify and describe the following timbers and timber boards used in the construction industry.

Timber/timber boards	Description of timber boards and uses
	
	
	
	

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Activity 8:

Provide 3 methods to treat knots in timber:

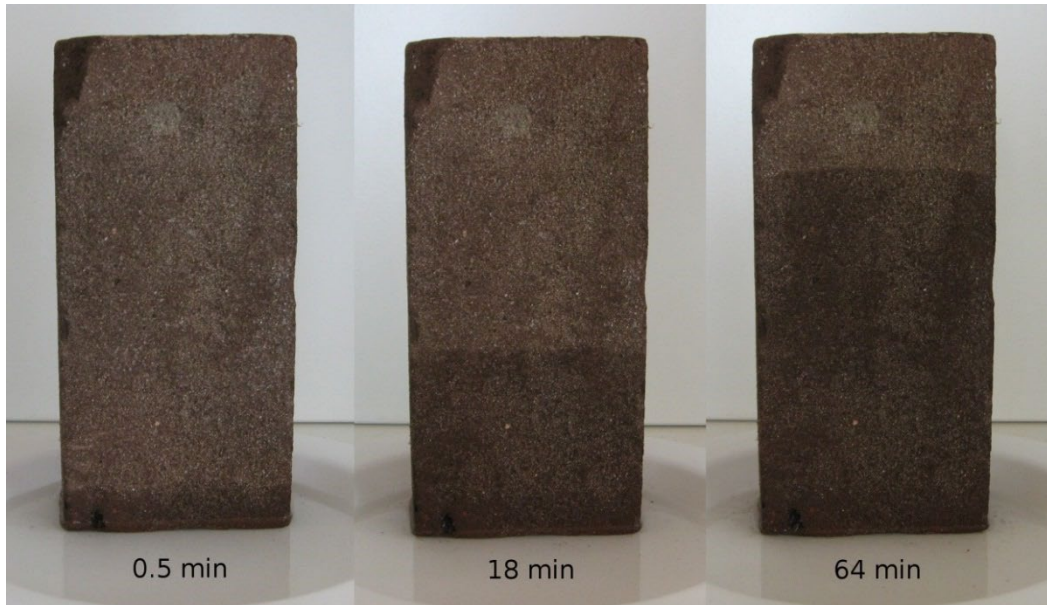
- a. _____

- b. _____

- c. _____

Below is 3 pictures showing how moisture can pull into a material by the capillary action

Briefly explain what has happened:



Activity 9: Preservatives, sealer and primers

Activity activity

Match the following primers, sealers and preservatives to the correct sentence.

	Primer
This substance is used to seal any knots, to prevent bleeding of resin.	Aluminium sealers/primers
The first full coat of paint applied to any surface.	
A chemical used to conserve timber against insect and/or fungal attack.	Shellac
A leafy pigmented coating that has self-knotting properties.	
	Preservative treatment