



EAP Power Up

Unit 5

Instructor: Tzu-Ling Huang, National Taiwan University of Science and Technology

Course Title: English Presentation for Architecture and Design

Weekly Topic: The Flowchart of a Renovation Process & The Classification Chart of Materials





The Flowchart of a Renovation Process



Warm-up Activity

Warm-up Activity

What are the tasks involved in a renovation project?



Participant's screen

Your screen



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Mentimeter

What are the tasks involved in a renovation project?

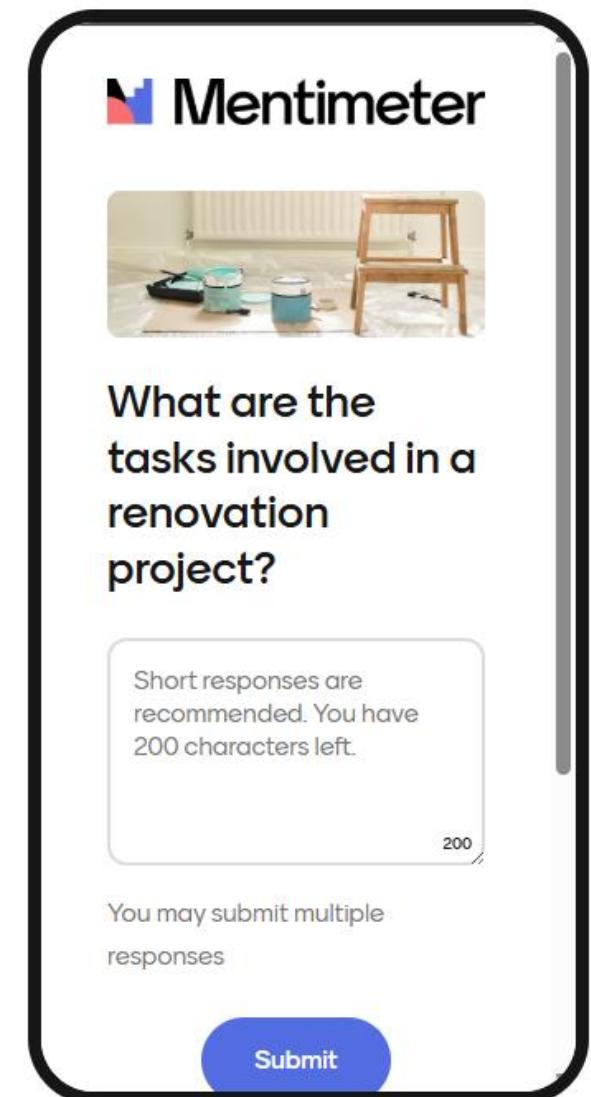
0 responses

Short responses are recommended. You have 200 characters left.

200

You may submit multiple responses

Submit



Mentimeter



What are the tasks involved in a renovation project?

Short responses are recommended. You have 200 characters left.

200

You may submit multiple responses

Submit

What are the tasks involved in a renovation project?

6 responses

Checking the site

Layout plan

Remove old furniture

Painting walls

Structural work

Piping





Useful Strategies and Language

Tasks of a Renovation Process

Cabinetry and Fixtures – Install cabinets, countertops, and permanent fixtures

Clearing and Site Assessment – Remove all existing items, clean the space, and assess the condition of walls, floors, and structures

Demolition – Remove old structures, fixtures, and materials as needed

Final Inspection and Cleanup – Ensure everything meets codes and clean up the space

Flooring and Surfaces – Lay down new flooring and apply finishes to walls and ceilings

Obtaining Permits – Check local regulations and secure necessary permits

Insulation and Drywall – Install insulation and drywall, and ensure proper sealing

Planning and Budgeting – Define renovation goals, set a budget, and create a timeline

Painting and Final Touches – Paint walls, add trim, and make finishing adjustments

Structural Work – Address foundations, framing, roofing, and major structural changes

Utilities and Systems – Upgrade electrical, plumbing, and HVAC systems

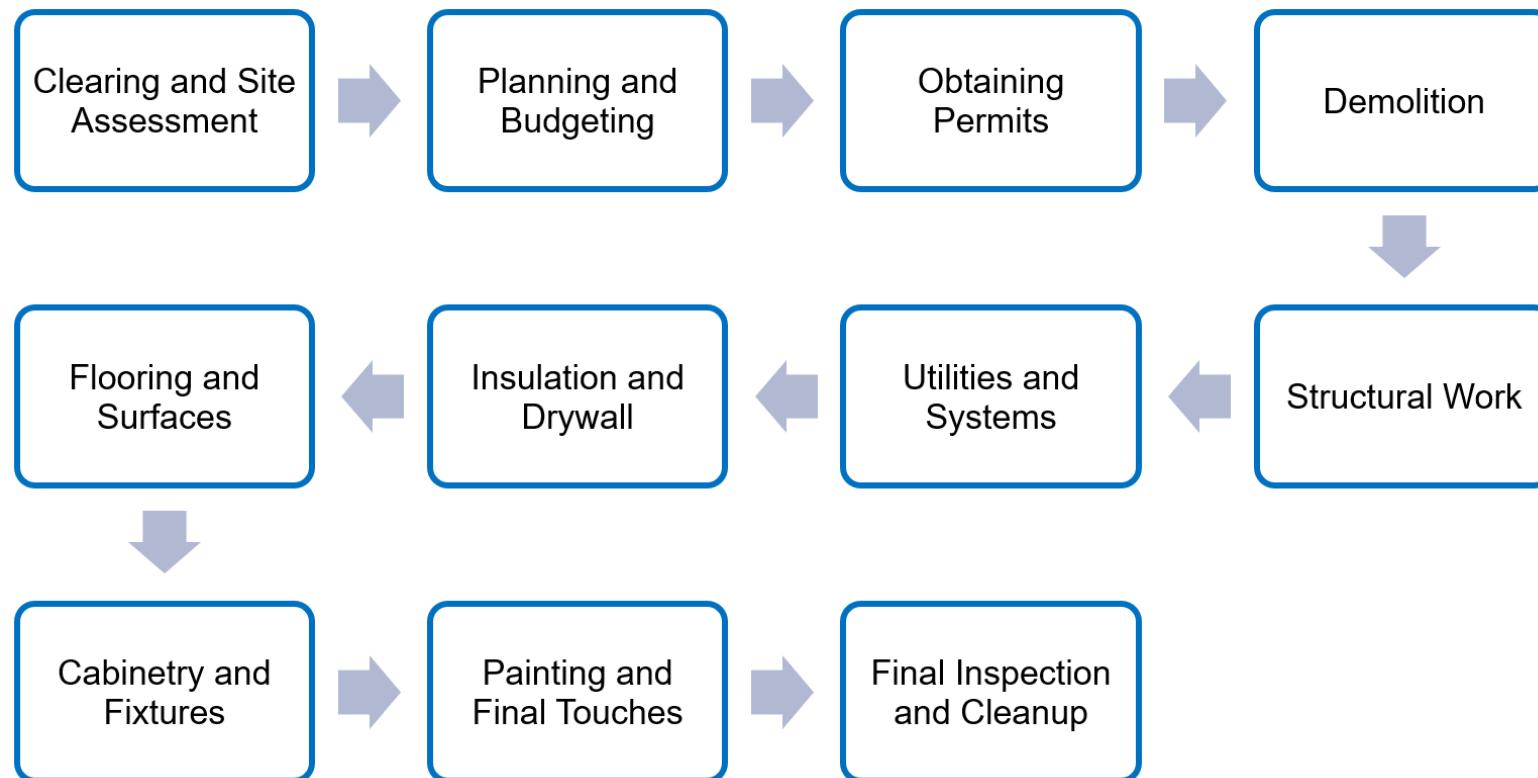
Steps of a Renovation Process

1. **Clearing and Site Assessment** – Remove all existing items, clean the space, and assess the condition of walls, floors, and structures
2. **Planning and Budgeting** – Define renovation goals, set a budget, and create a timeline
3. **Obtaining Permits** – Check local regulations and secure necessary permits
4. **Demolition** – Remove old structures, fixtures, and materials as needed
5. **Structural Work** – Address foundations, framing, roofing, and major structural changes
6. **Utilities and Systems** – Upgrade electrical, plumbing, and HVAC systems
7. **Insulation and Drywall** – Install insulation and drywall, and ensure proper sealing
8. **Flooring and Surfaces** – Lay down new flooring and apply finishes to walls and ceilings
9. **Cabinetry and Fixtures** – Install cabinets, countertops, and permanent fixtures
10. **Painting and Final Touches** – Paint walls, add trim, and make finishing adjustments
11. **Final Inspection and Cleanup** – Ensure everything meets codes and clean up the space

Useful Strategies and Language

Purpose:

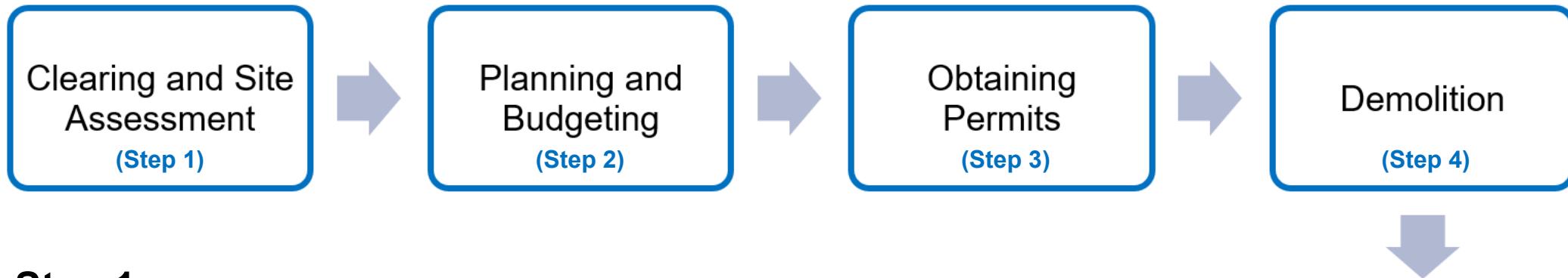
In this presentation, I will explain the renovation process step by step. **The flowchart illustrates how** the renovation proceeds.



Useful Strategies and Language

Process:

This project is divided into 11 steps.



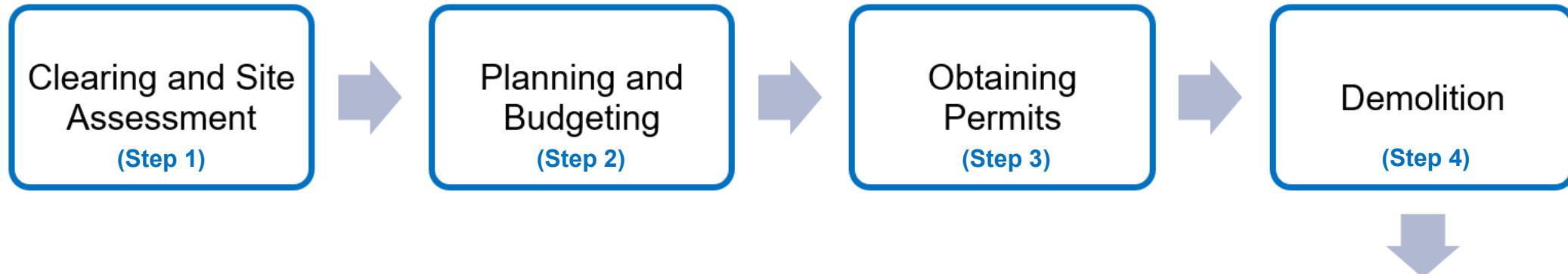
Step 1

The process begins with “Clearing and Site Assessment”, where we remove old items and evaluate the condition of the space.

Step 2

Next, we move on to “Planning and Budgeting”. Here, we define the renovation goals, set a realistic budget, and create a timeline. This is a key phase for aligning expectations and avoiding future delays.

Useful Strategies and Language



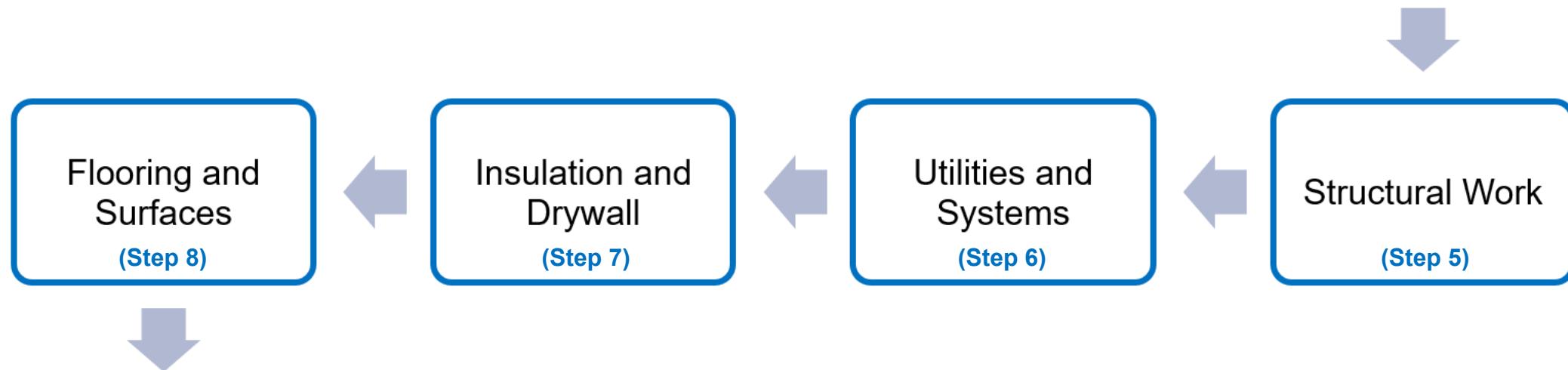
Step 3

After that, we **focus on** “Obtaining Permits”. It’s important to **check** local regulations and **secure** the necessary approvals before the construction begins.

Step 4

Once the paperwork **is complete**, we can **proceed with** “Demolition”. This **involves** removing any old or damaged structures, fixtures, or finishes.

Useful Strategies and Language



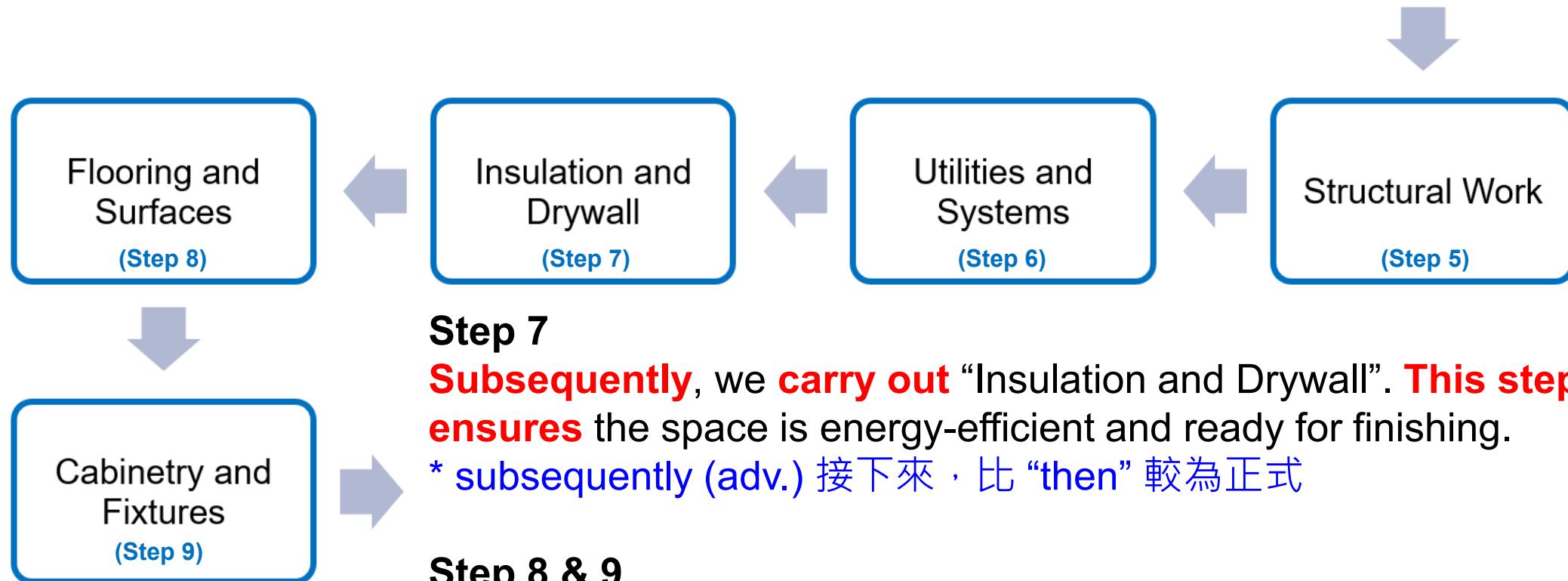
Step 5

Following demolition, we **start** the “Structural Work”. At this point, we **make** major changes such as framing, roofing, or foundation improvements.

Step 6

Then we **install** or **upgrade** the “Utilities and Systems”—including electrical wiring, plumbing, and HVAC.

Useful Strategies and Language



Step 7

Subsequently, we **carry out** “Insulation and Drywall”. **This step ensures** the space is energy-efficient and ready for finishing.

* subsequently (adv.) 接下來，比 “then” 較為正式

Step 8 & 9

Afterwards, we **bring in** “Flooring and Surfaces” **followed by** “Cabinetry and Fixtures”, where you can really start to see the space coming together.

Useful Strategies and Language



Step 10 & 11

Finally, we **complete** the “Painting and Final Touches” and, **ultimately**, **conduct** a “Final Inspection and Cleanup” to ensure everything meets building codes and is ready for use.

* **ultimately** (adv.) 最後，比 “in the end” 或 “finally” 較為正式

In summary, this structured approach ensures a safe, efficient, and successful renovation from start to finish. Thank you.

Order-related Signposting Words/Phrases

■ Beginning or First Point

First,...

Firstly,...

To begin/start with,...

In the first place,...

The first step is ...

As a starting point,...

■ Ending or Final Point

Finally,...

Lastly,...

In the end,...

The last point is ...

At last,...

Ultimately,...

■ Continuing the Sequence

Then...

Next,...

Secondly (thirdly, etc.),...

After that,...

Subsequently,...

Later,...

Following this(,),...

■ Chronological or Time-Based Order

Before...

After...

During...

Meanwhile,...

At the same time,...

Eventually,...

As soon as...



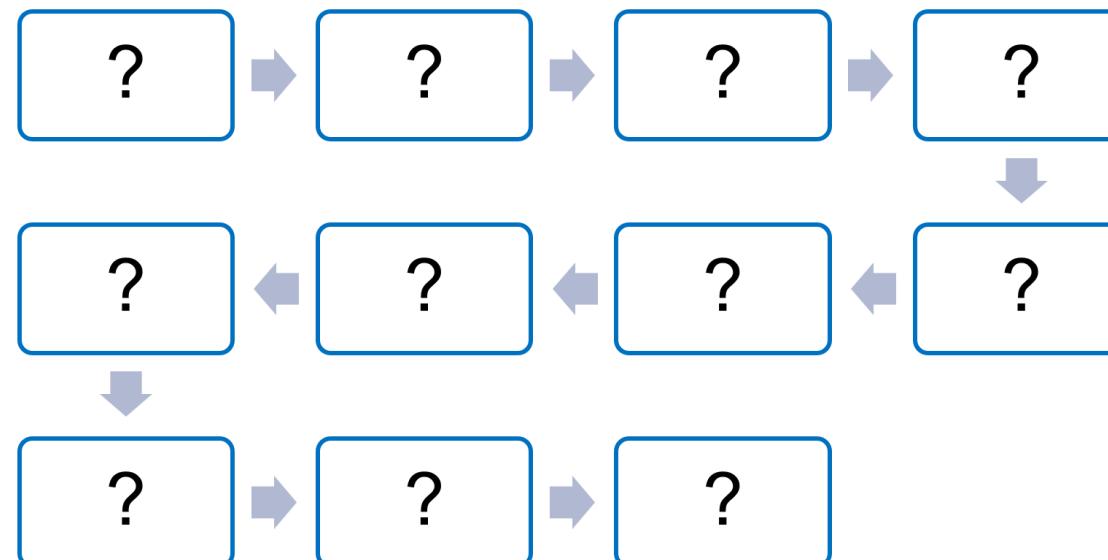
Speaking Activity

Speaking Task

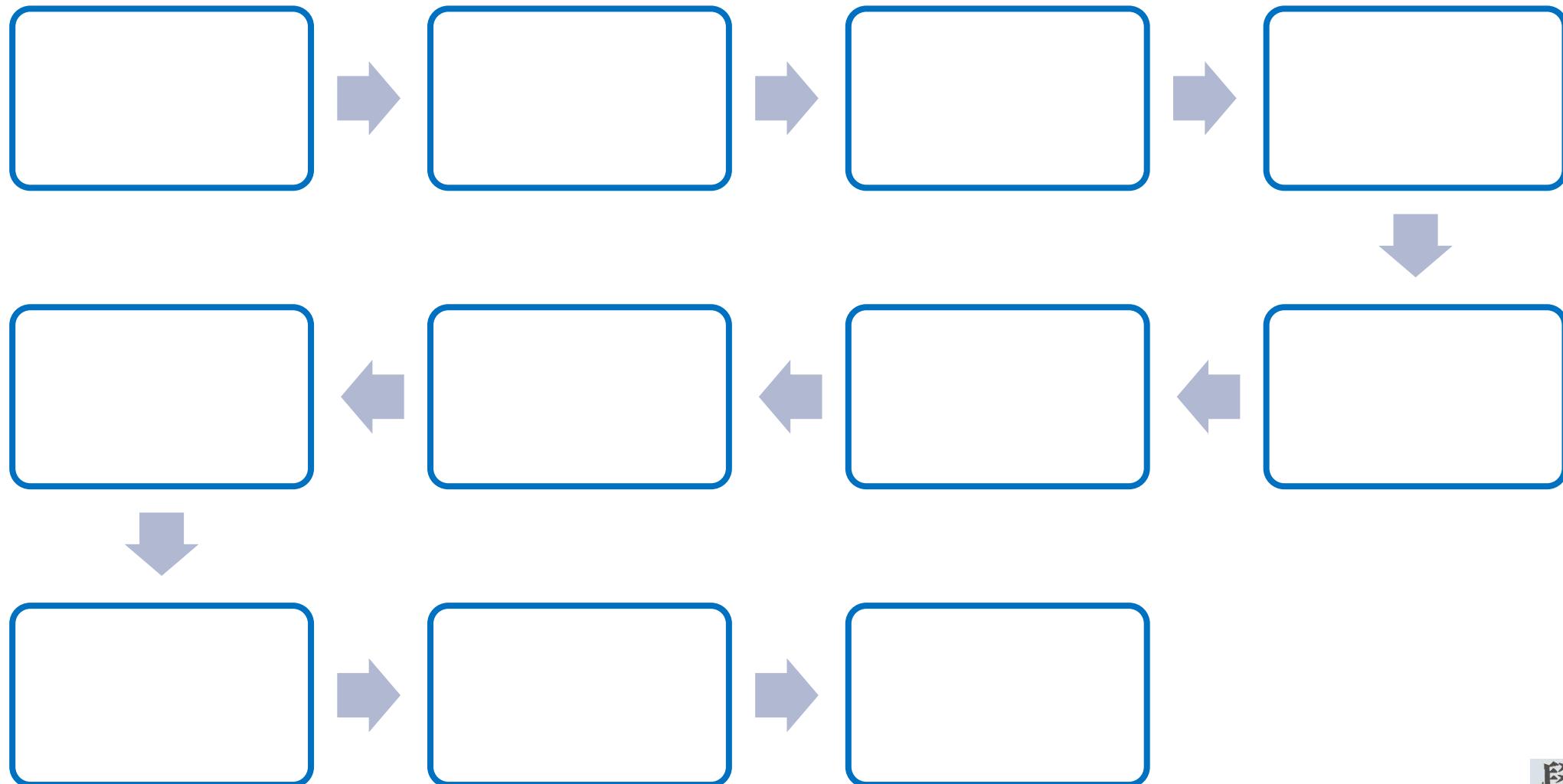
- Watch the video clip, fill out the flowchart, and explain the renovation process of this renovation project.

I Bought an Abandoned Tiny House (by George Dunnett)
https://www.youtube.com/watch?v=l327LbNx1_o

The Flowchart of the Renovation Process



The Flowchart of the Renovation Process





The Classification Chart of Materials



Warm-up Activity

Warm-up Activity

What materials might be used in a design project?



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What materials might be used in a design project?

0 responses



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Mentimeter



What materials might be used in a design project?

Enter a word 25

Enter another word 25

Enter another word 25

Submit

What materials might be used in a design project?

3 responses

paper glass
 stone



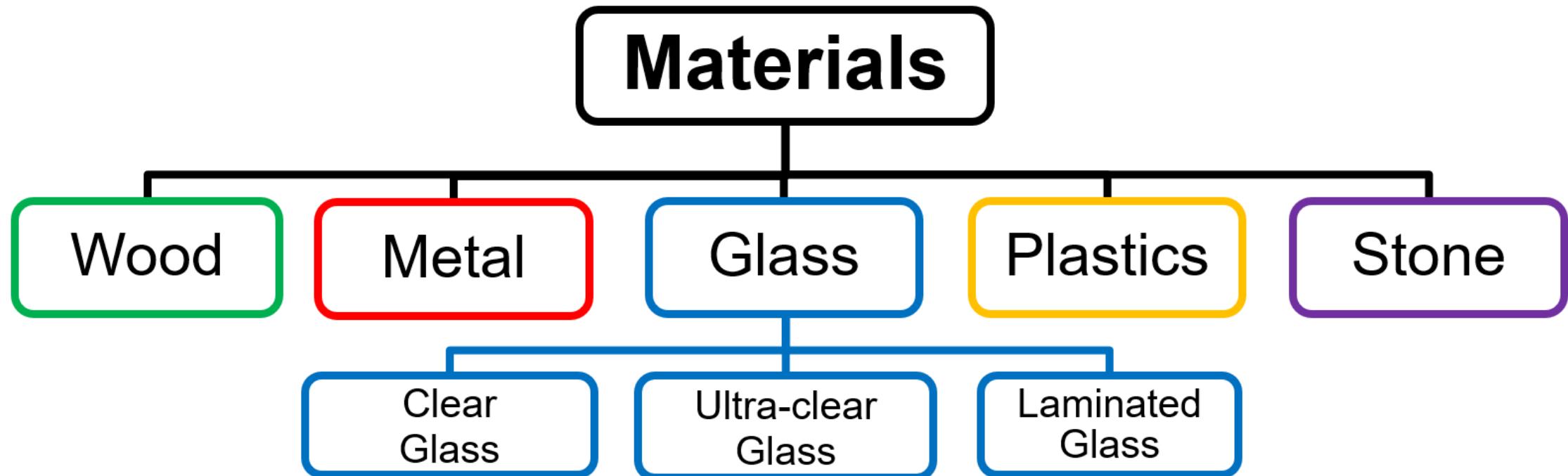


Useful Strategies and Language

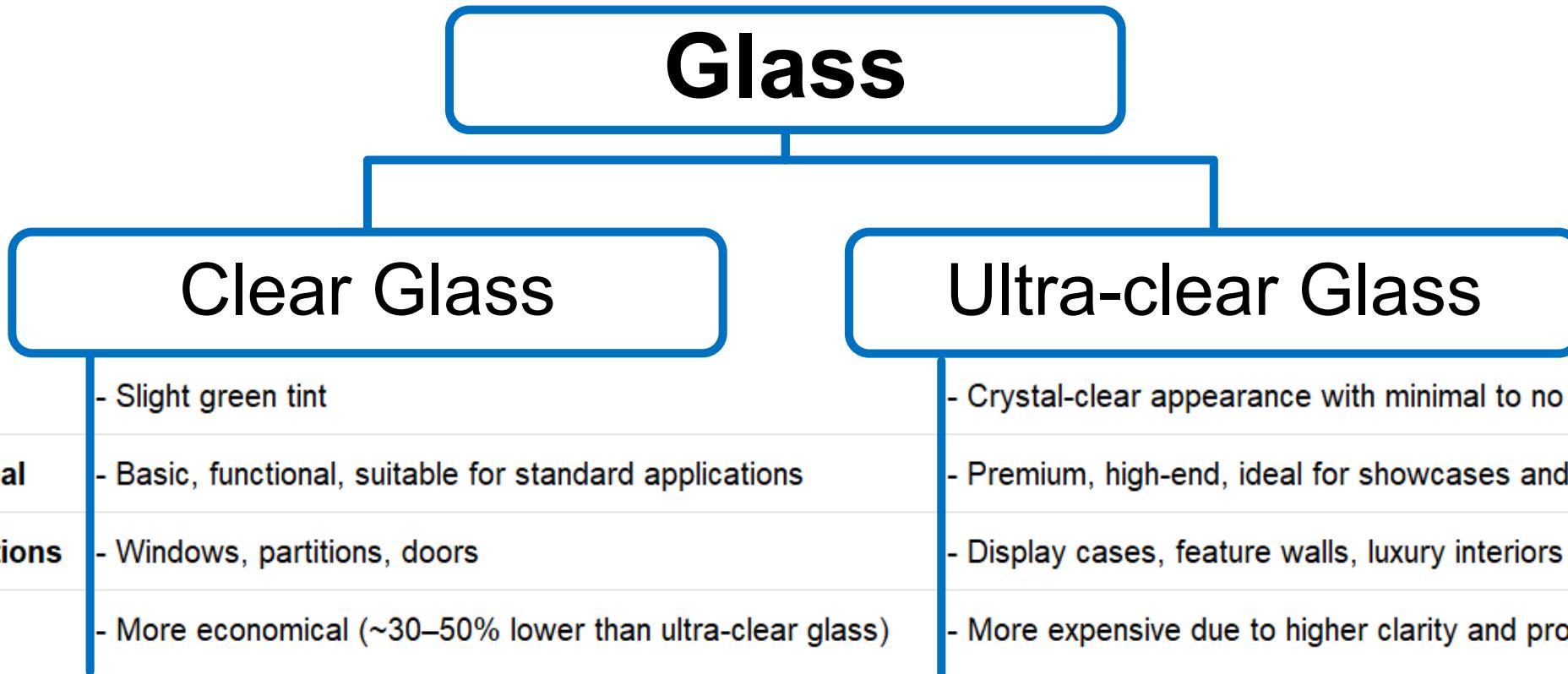
Materials

- Wood
- Metal
- Ceramic
- Glass
- Plastics
- Textiles
- Leather
- Paper
- Rubber
- Stone
- Composite

The Tree Map of Materials



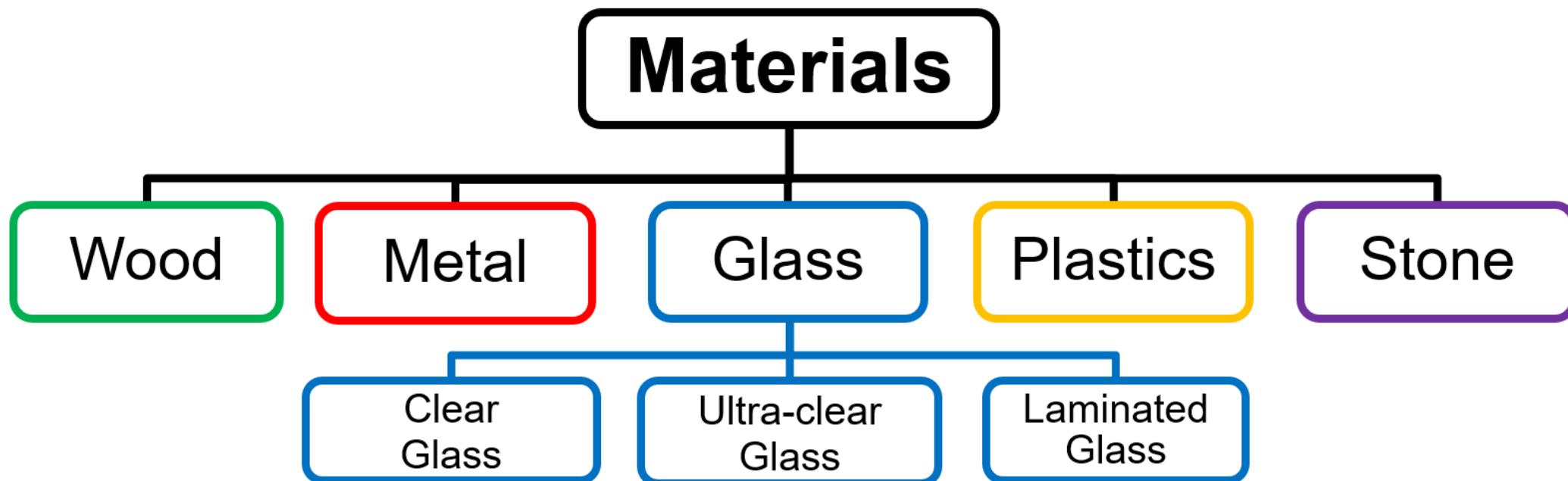
The Classification Chart of Glass



Useful Strategies and Language

Purpose:

- The tree map **divides** _____ **into** _____ based on _____.
- ➡ The tree map **divides** materials **into** five groups based on their common properties.



Useful Strategies and Language

Purpose:

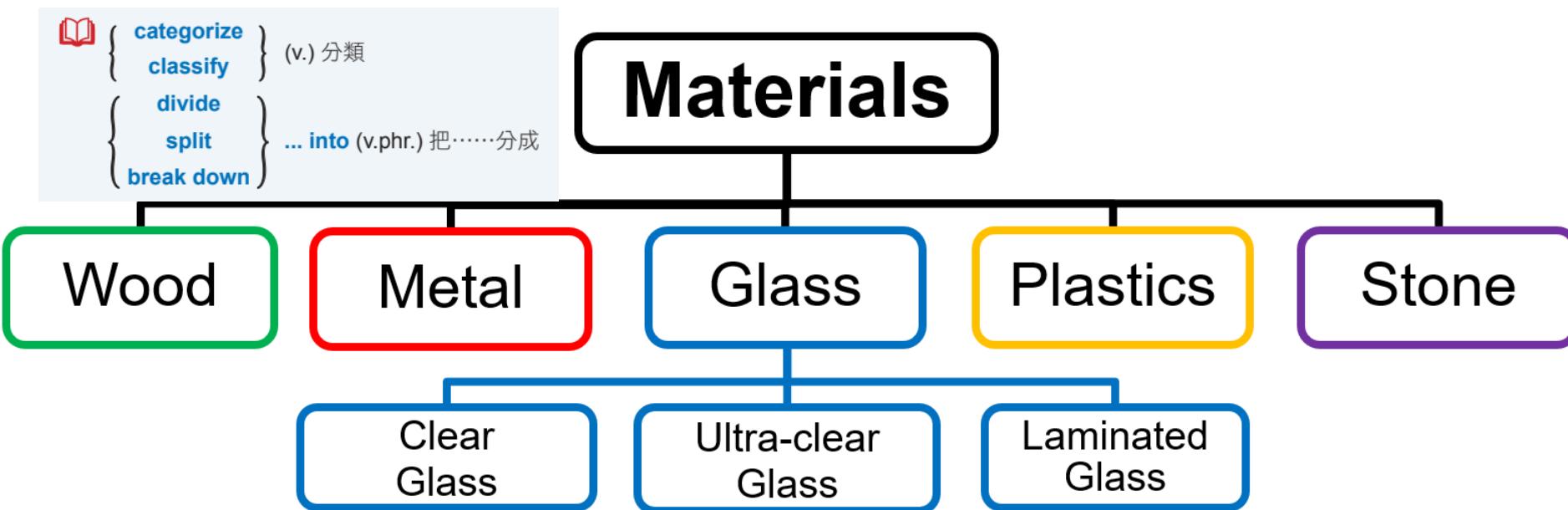
- The classification chart **categorizes** _____ according to _____.
- ➡ The classification chart **categorizes** “clear glass” and “ultra-clear glass” **according to** visual clarity, aesthetic appeal, common applications, and costs.

Glass		
	Clear Glass	Ultra-clear Glass
Visual Clarity	- Slight green tint	- Crystal-clear appearance with minimal to no green tint
Aesthetic Appeal	- Basic, functional, suitable for standard applications	- Premium, high-end, ideal for showcases and feature areas
Common Applications	- Windows, partitions, doors	- Display cases, feature walls, luxury interiors
Costs	- More economical (~30–50% lower than ultra-clear glass)	- More expensive due to higher clarity and processing

Useful Strategies and Language

Description:

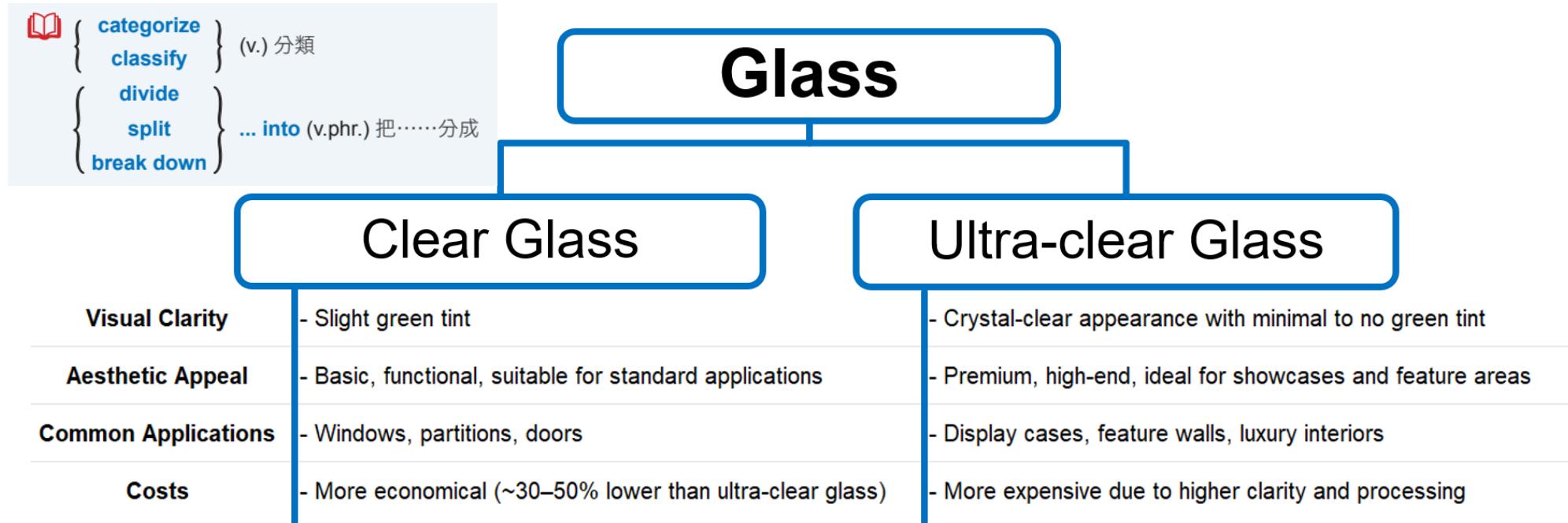
- The tree map **breaks down** the “_____” category **into** “_____,” “_____,” and “_____.”
- ➡ The tree map **breaks down** the “glass” category **into** “clear glass,” “ultra-clear glass,” and “laminated glass”.



Useful Strategies and Language

Description:

- The classification chart **splits** the category of “_____” **into** “_____” and “_____”.
- ➡ The classification chart **splits** the category of “glass” **into** “clear glass” and “ultra-clear glass”.

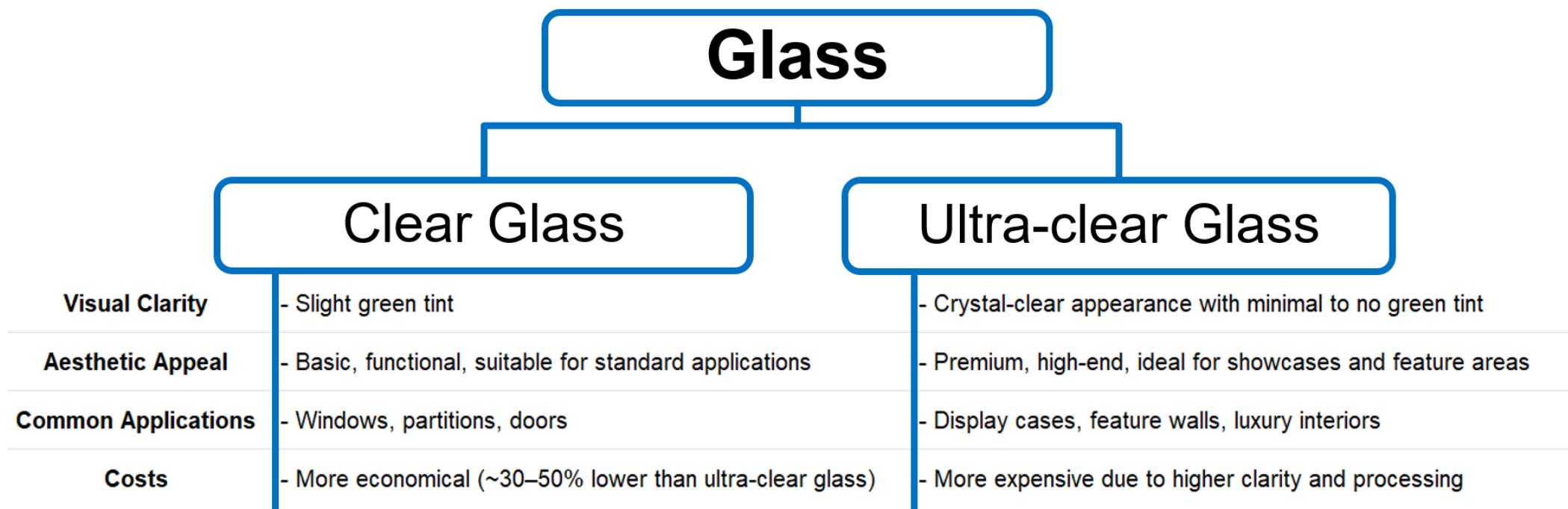


Useful Strategies and Language

Description:

■ _____ be categorized / classified as _____.

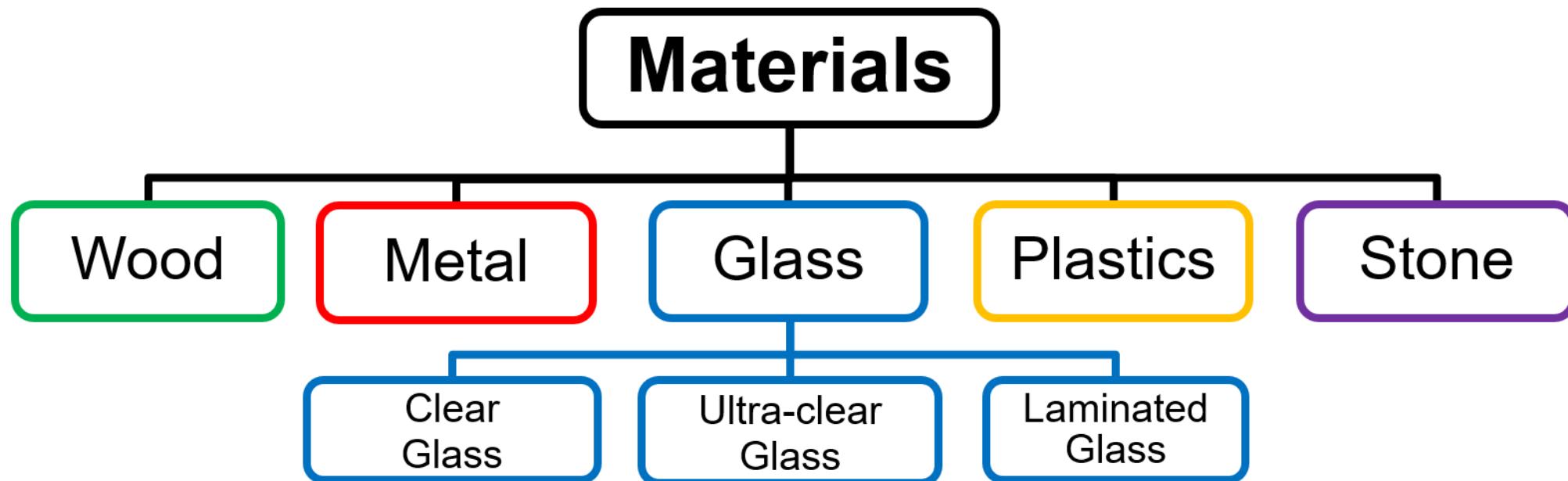
→ Ultra-clear glass **is categorized as** the material ideal for showcases.



Useful Strategies and Language

Definition:

- The tree map **defines** _____.
- ➡ The tree map **defines** glass as a solid-like and transparent, or translucent, material.



Useful Strategies and Language

Definition:

- The chart **defines** _____.
- ➡ The charts **defines** the features of clear glass and ultra-clear glass.

Glass	
	Clear Glass
Visual Clarity	- Slight green tint
Aesthetic Appeal	- Basic, functional, suitable for standard applications
Common Applications	- Windows, partitions, doors
Costs	- More economical (~30–50% lower than ultra-clear glass)
Ultra-clear Glass	
- Crystal-clear appearance with minimal to no green tint	
- Premium, high-end, ideal for showcases and feature areas	
- Display cases, feature walls, luxury interiors	
- More expensive due to higher clarity and processing	



Speaking Activity

Speaking Task

- You will attend a meeting about a renovation project. Due to the budget, the clients ask you to explain and compare two materials in the category of _____. Please use a classification chart to illustrate and explain the features of these two materials.

<input type="checkbox"/> Wood	<input type="checkbox"/> Leather
<input type="checkbox"/> Metal	<input type="checkbox"/> Paper
<input type="checkbox"/> Ceramic	<input type="checkbox"/> Rubber
<input type="checkbox"/> Glass	<input type="checkbox"/> Stone
<input type="checkbox"/> Plastics	<input type="checkbox"/> Composite
<input type="checkbox"/> Textiles	

Speaking Task

wheelofnames.com

Customize New Open Save Share Gallery More English

Entries 11 Results 1 Hide

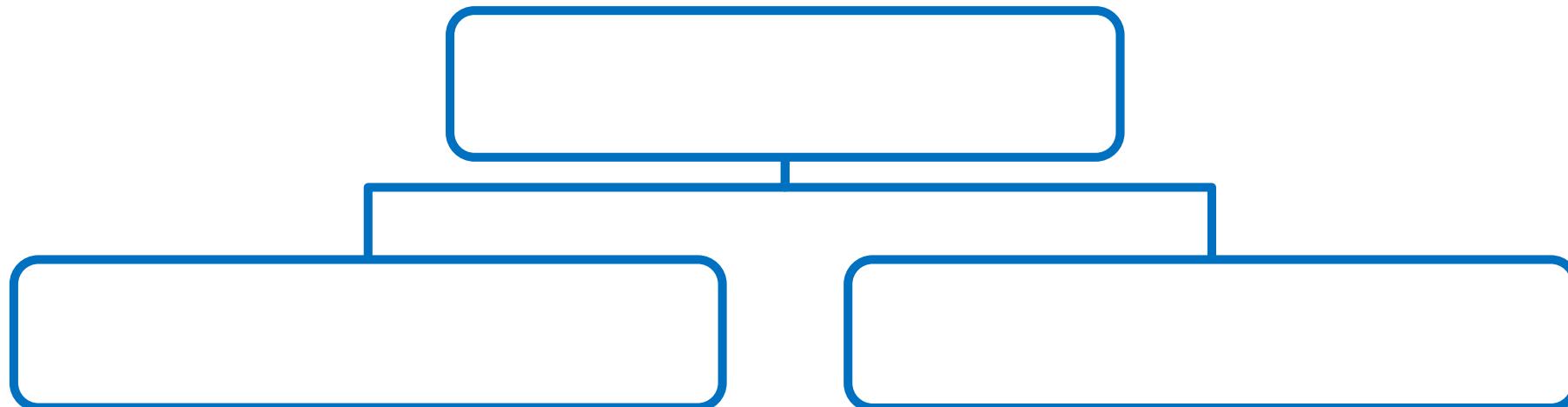
Shuffle Sort Add image Advanced

Wood Metal Ceramic Glass Plastics Textiles Leather Paper Rubber Stone Composite

Version 347 New! Changelog

Wood
Metal
Ceramic
Glass
Plastics
Textiles
Leather
Paper
Rubber
Stone
Composite

The Classification Chart of _____





 Class Dismissed!

