

# *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

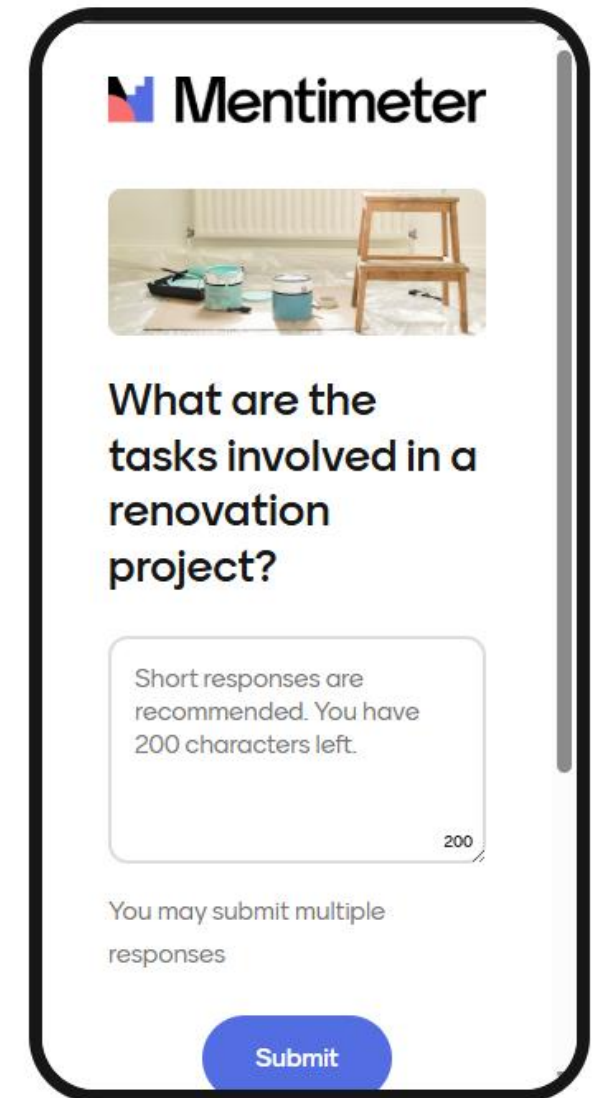
**What are the tasks involved in a renovation project?**



Your screen



Participant's screen





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Mentimeter

# What are the tasks involved in a renovation project?

6 responses

Checking the site

Layout plan

Remove old furniture

Painting walls

Structual work

Piping





# Useful Strategies and Language

# Tasks of a Renovation Process

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**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

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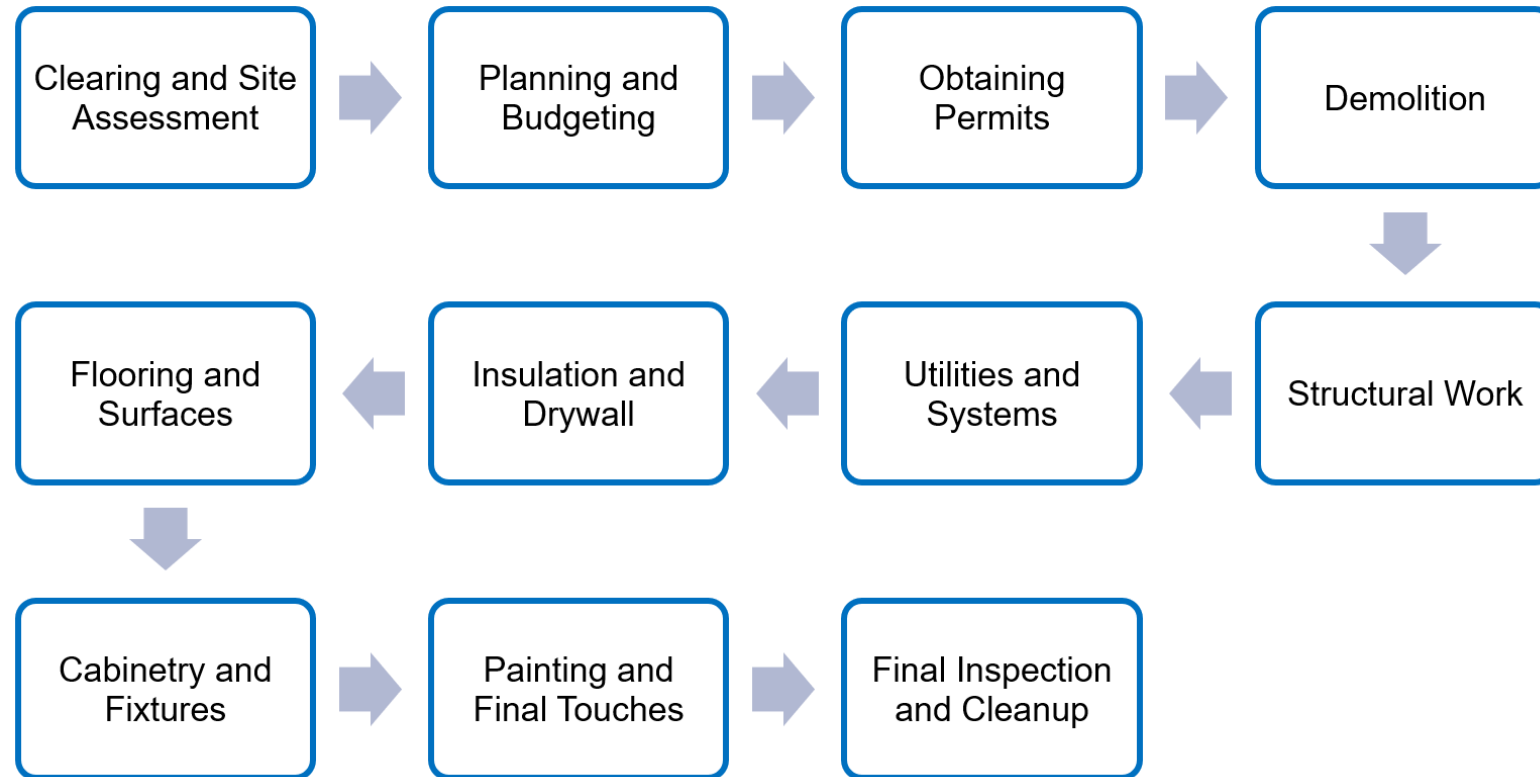
1. **Clearing and Site Assessment** – Remove all existing items, clean the space, and assess the condition of walls, floors, and structures
2. **Planning and Budgeting** – Define renovation goals, set a budget, and create a timeline
3. **Obtaining Permits** – Check local regulations and secure necessary 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

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## Purpose:

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

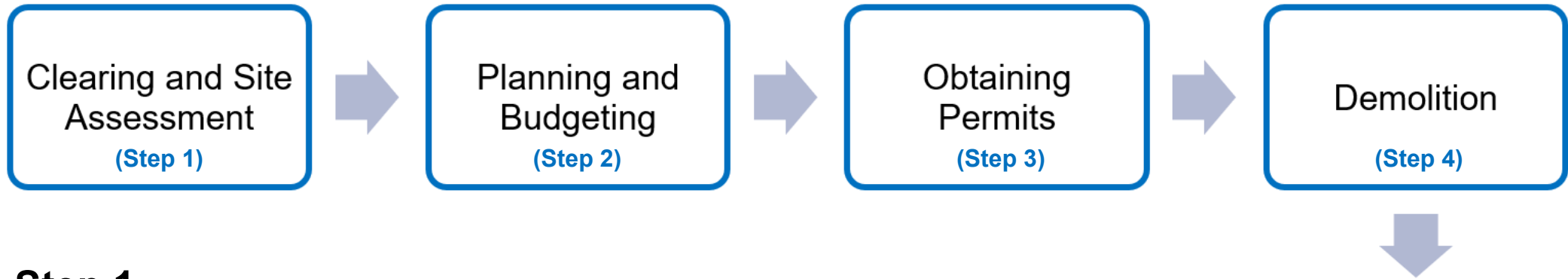


# Useful Strategies and Language

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## Process:

**This project is divided into** 11 steps.



## Step 1

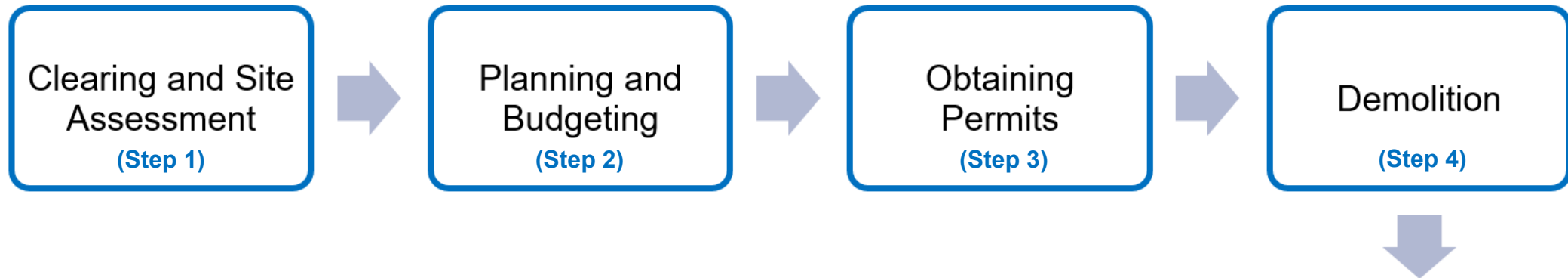
**The process begins** with “Clearing and Site Assessment”, where we **remove** old items and **evaluate** the condition of the space.

## 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

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## 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.

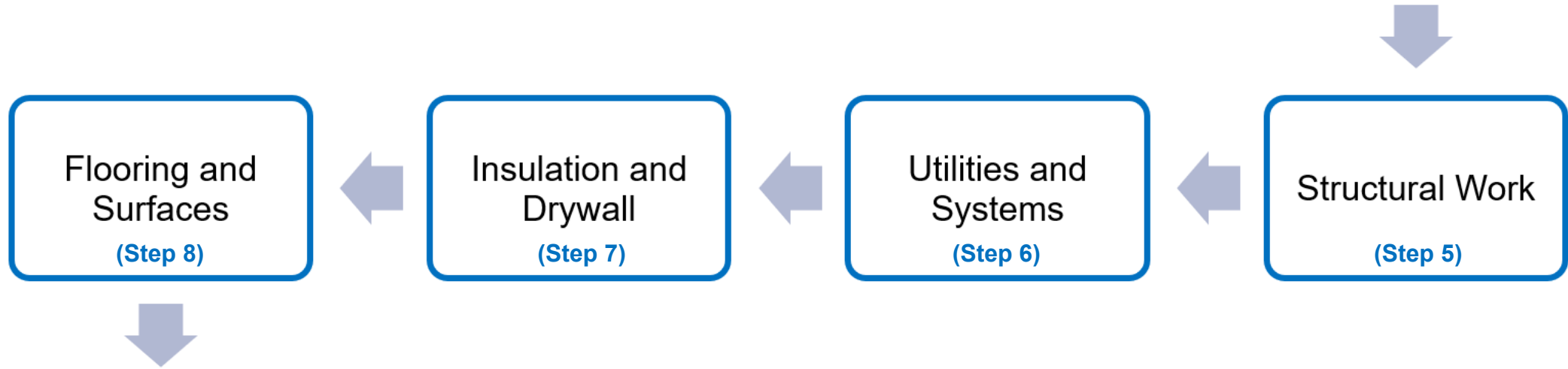
## Step 4

**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

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## Step 5

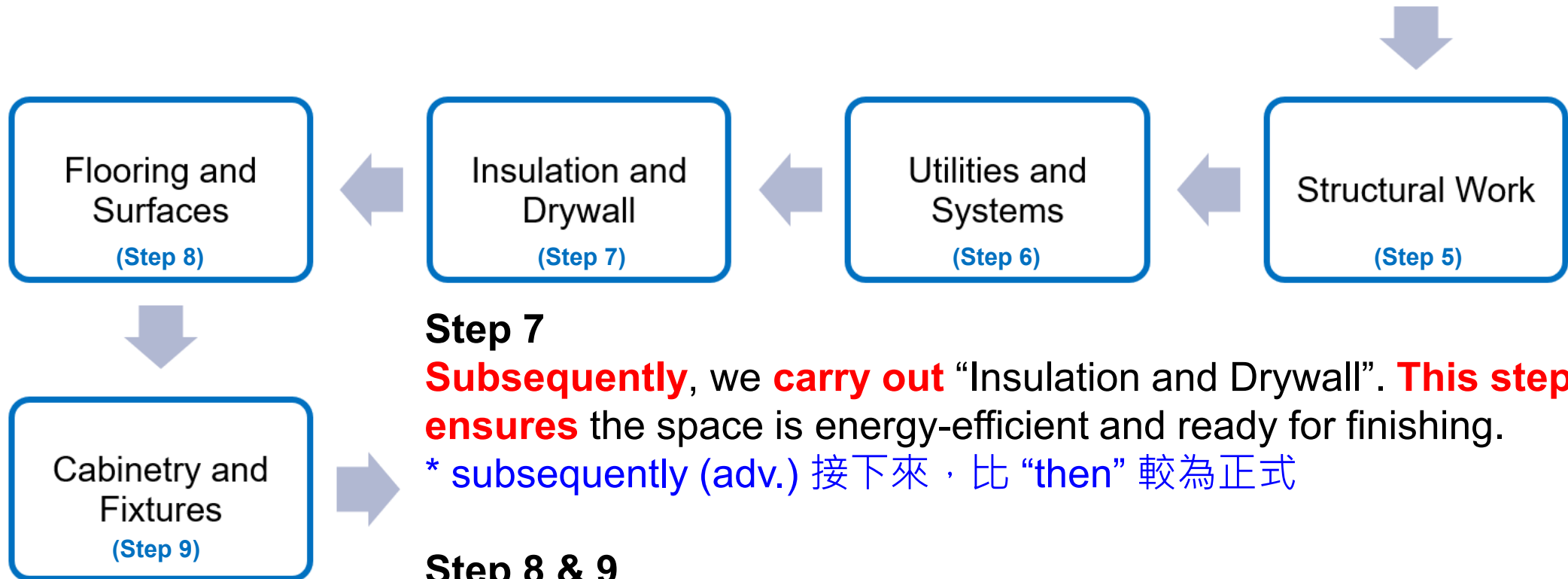
**Following** demolition, we **start** the “Structural Work”. At this point, we **make** major changes such as framing, roofing, or foundation improvements.

## Step 6

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

# Useful Strategies and Language

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## 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

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## 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

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## ■ Beginning or First Point

First,...

Firstly,...

To begin/start with,...

In the first place,...

The first step is ...

As a starting point,...

## ■ Continuing the Sequence

Then...

Next,...

Secondly (thirdly, etc.),...

After that,...

Subsequently,...

Later,...

Following this(,)...

## ■ Ending or Final Point

Finally,...

Lastly,...

In the end,...

The last point is ...

At last,...

Ultimately,...

## ■ Chronological or Time-Based Order

Before...

After...

During...

Meanwhile,...

At the same time,...

Eventually,...

As soon as...





# Speaking Activity

# Speaking Task

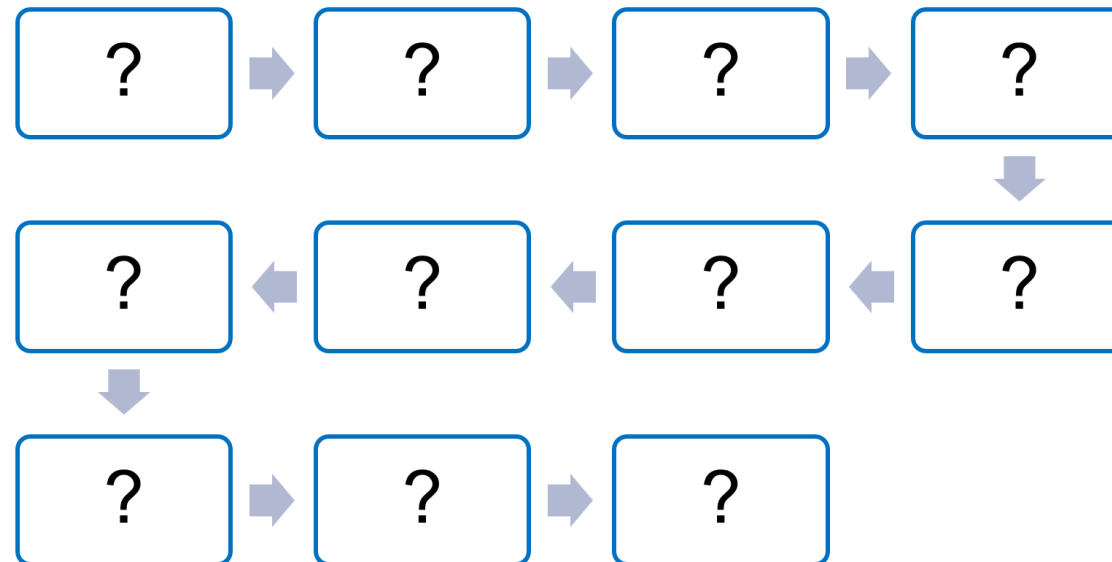
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- Watch the video clip, fill out the flowchart, and explain the renovation process of this renovation project.

***I Bought an Abandoned Tiny House*** (by George Dunnett)

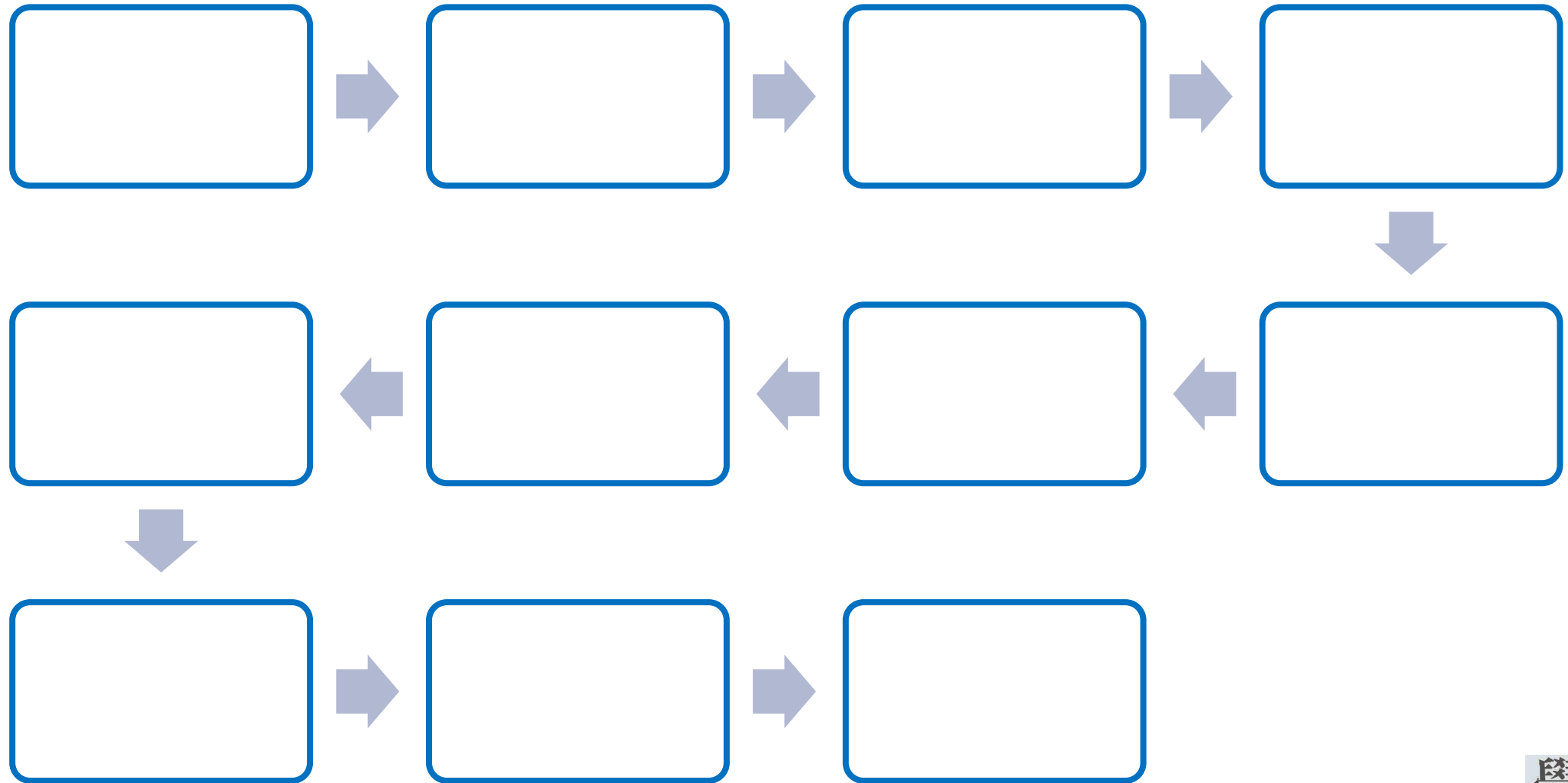
[https://www.youtube.com/watch?v=I327LbNx1\\_o](https://www.youtube.com/watch?v=I327LbNx1_o)

## The Flowchart of the Renovation Process



# The Flowchart of the Renovation Process

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# The Classification Chart of Materials



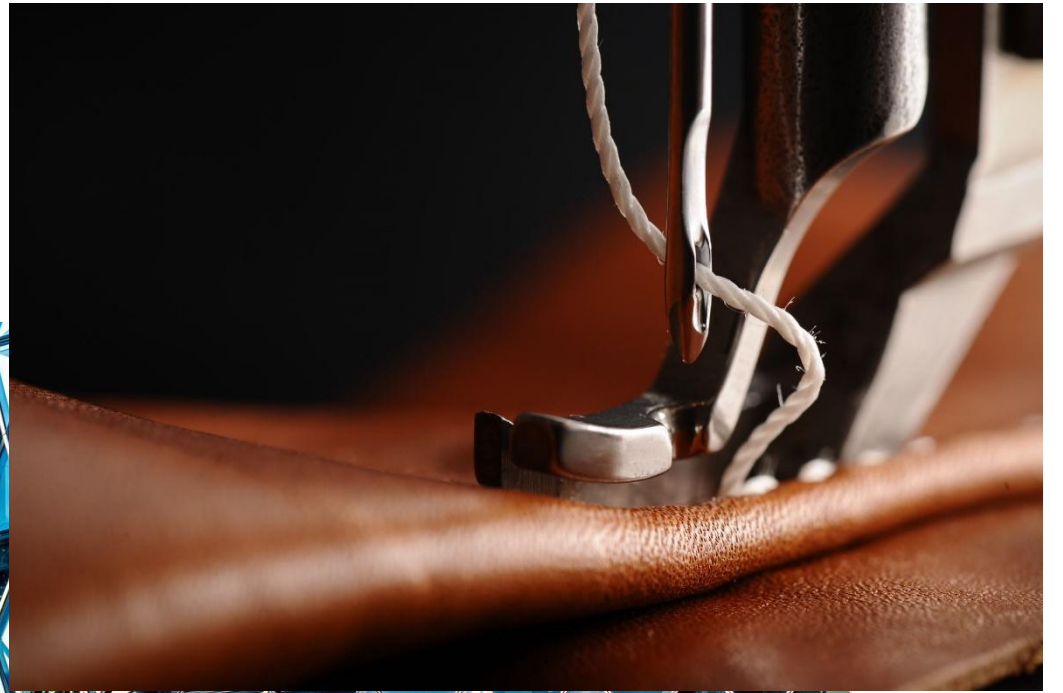


# Warm-up Activity

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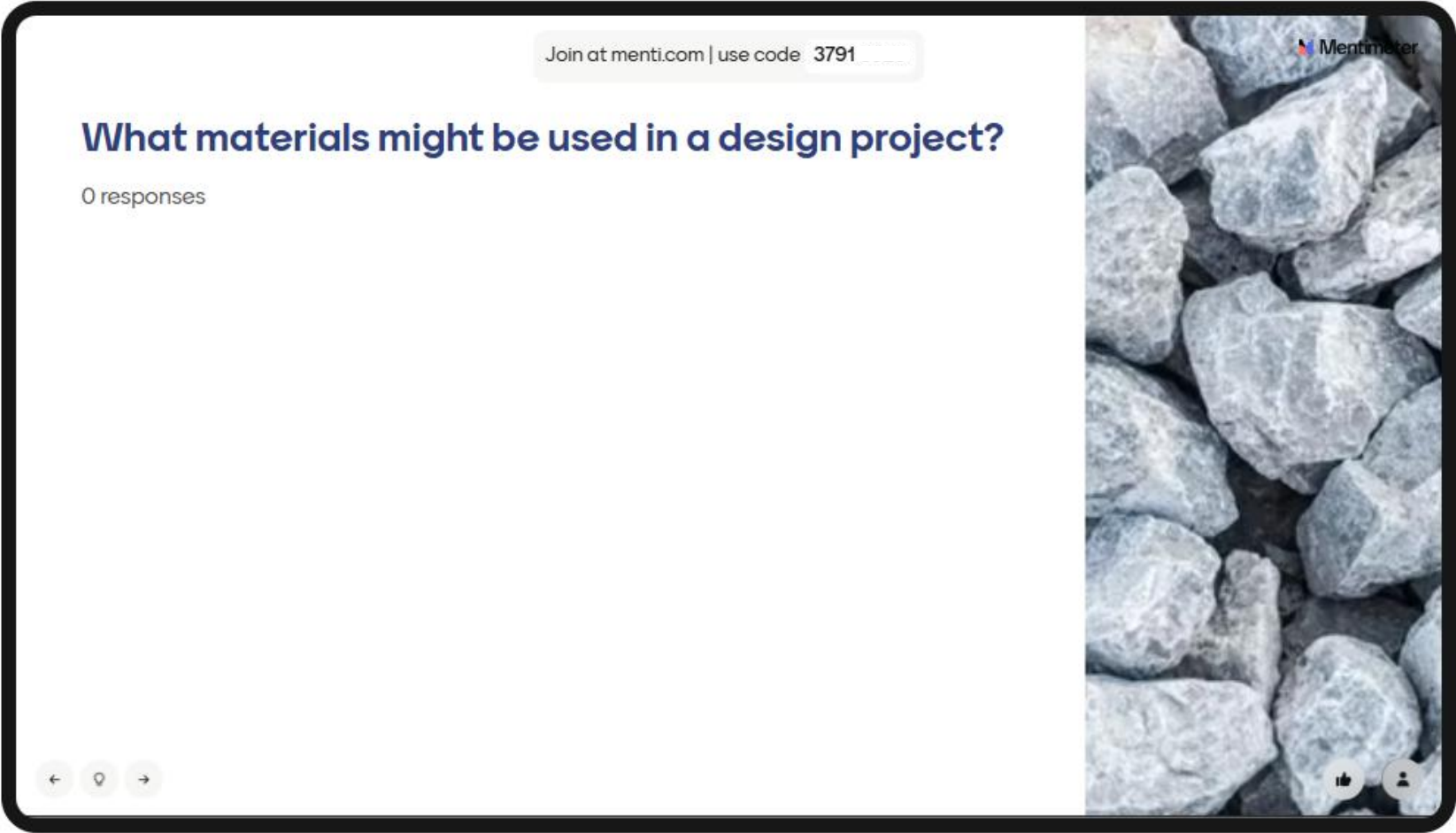
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**What materials might be used in a design project?**

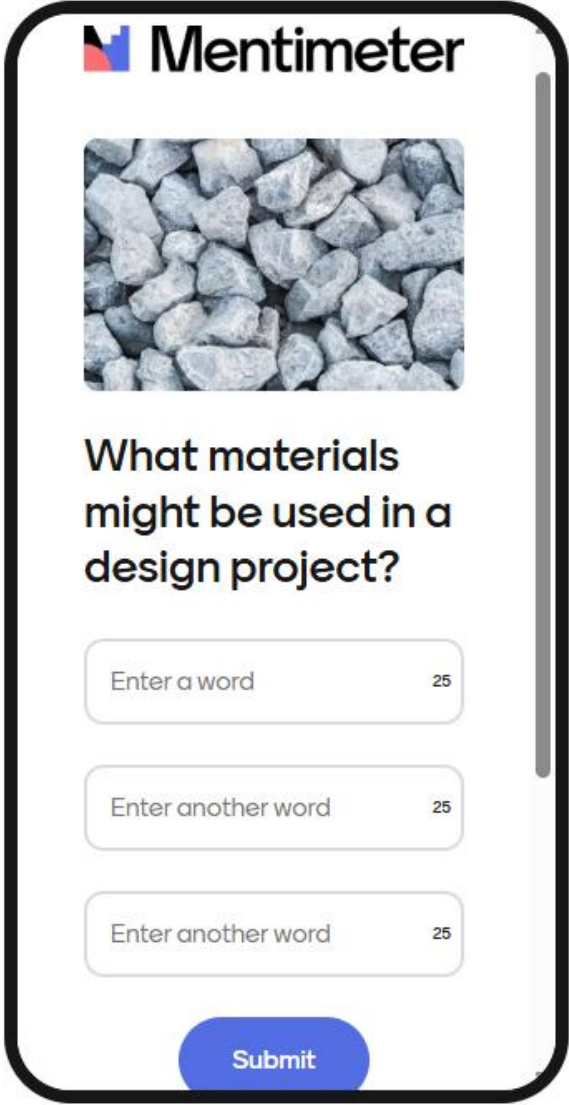




Your screen



Participant's screen



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## What materials might be used in a design project?

3 responses

paper

glass

stone







# Useful Strategies and Language

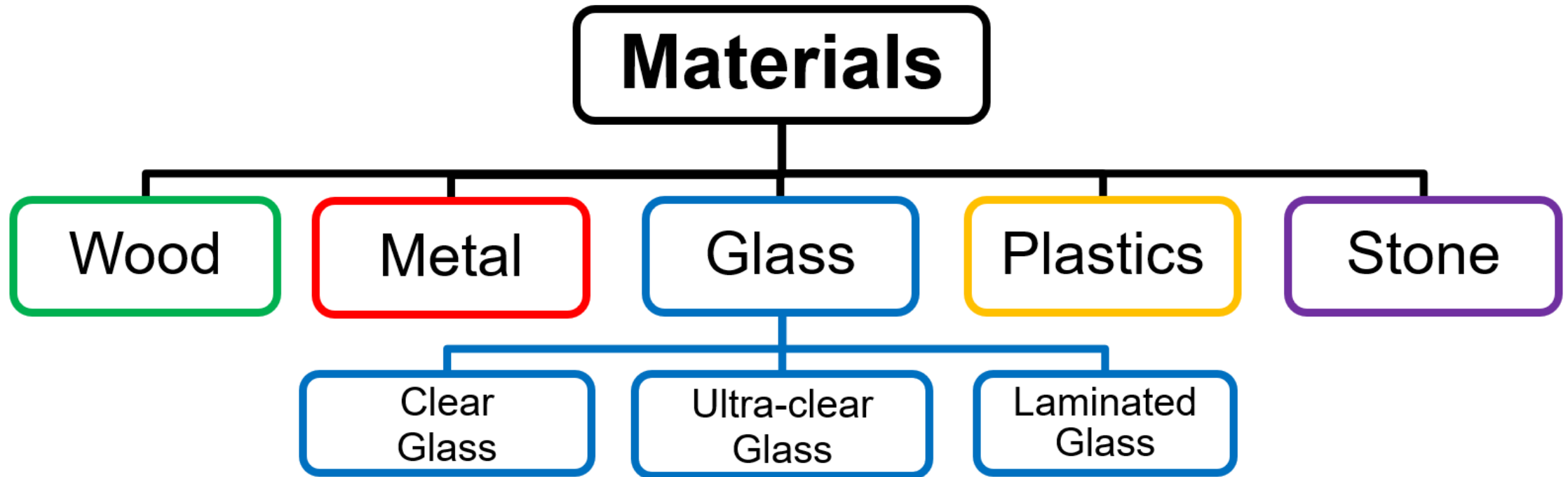
# Materials

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

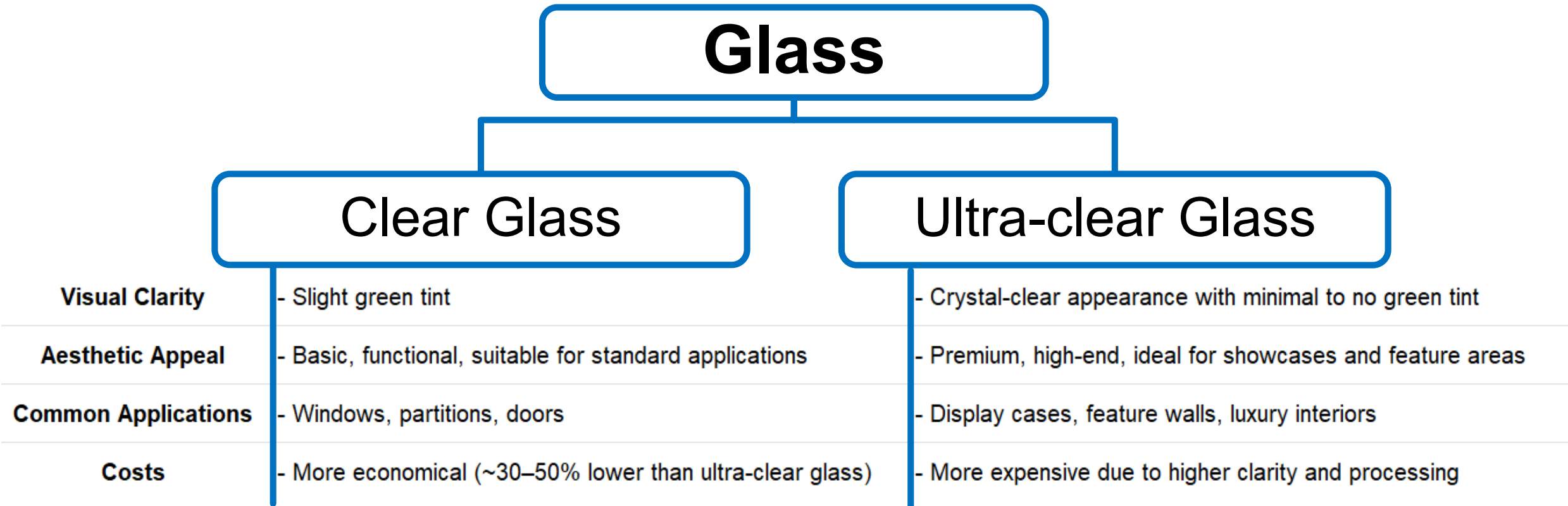
# The Tree Map of Materials

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# The Classification Chart of Glass

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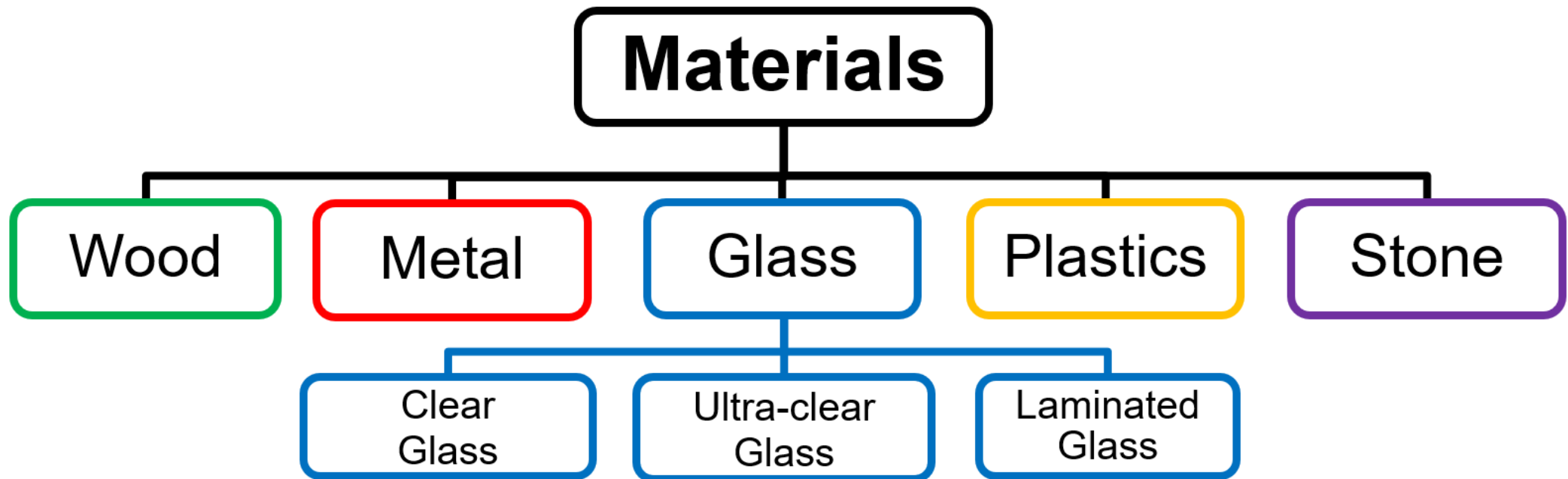


# Useful Strategies and Language

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## Purpose:

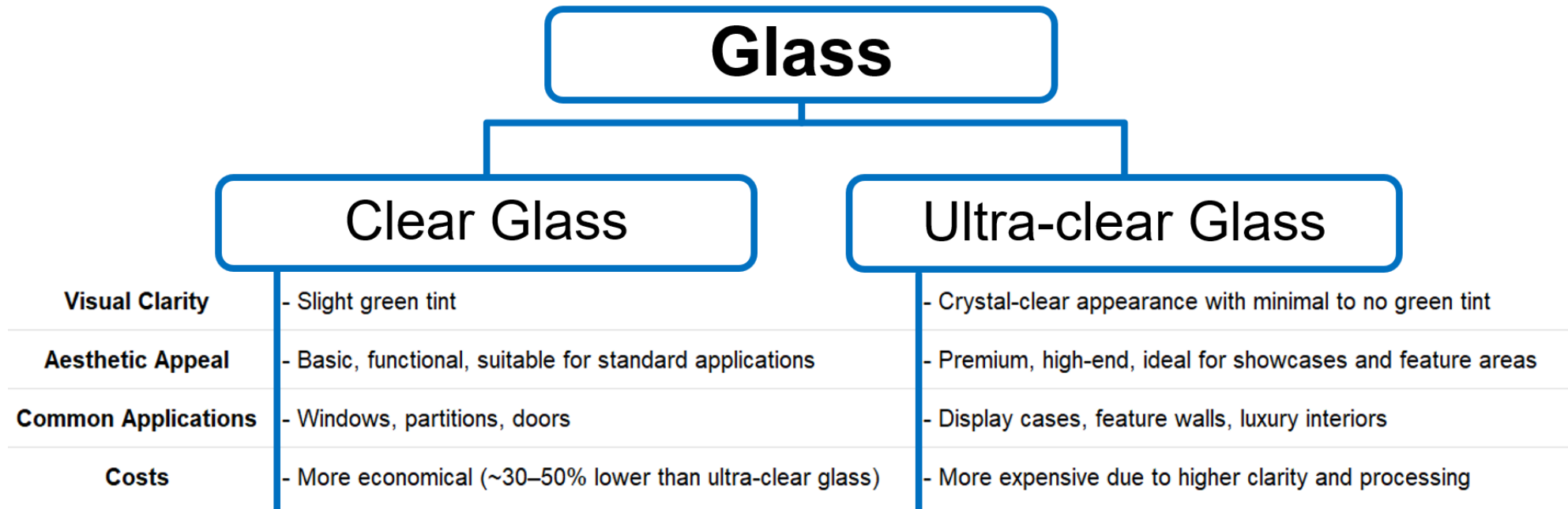
- The tree map **divides** \_\_\_\_\_ **into** \_\_\_\_\_ based on \_\_\_\_\_.
- ➡ The tree map **divides** materials **into** five groups based on their common properties.



# 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.



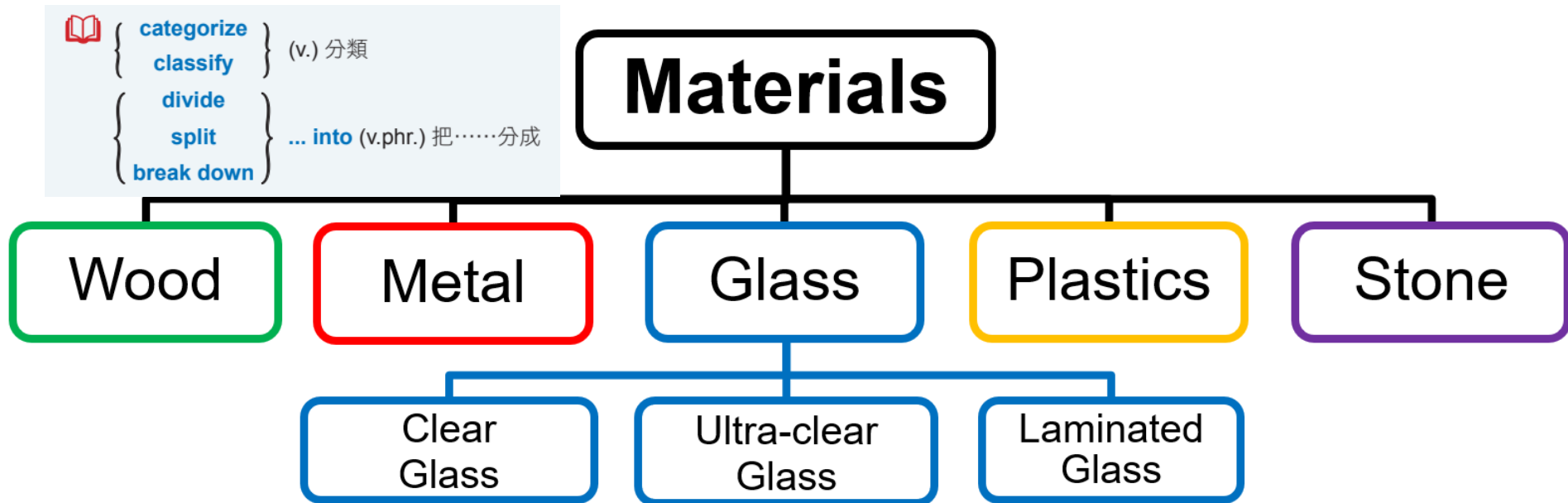


# Useful Strategies and Language

## 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”.

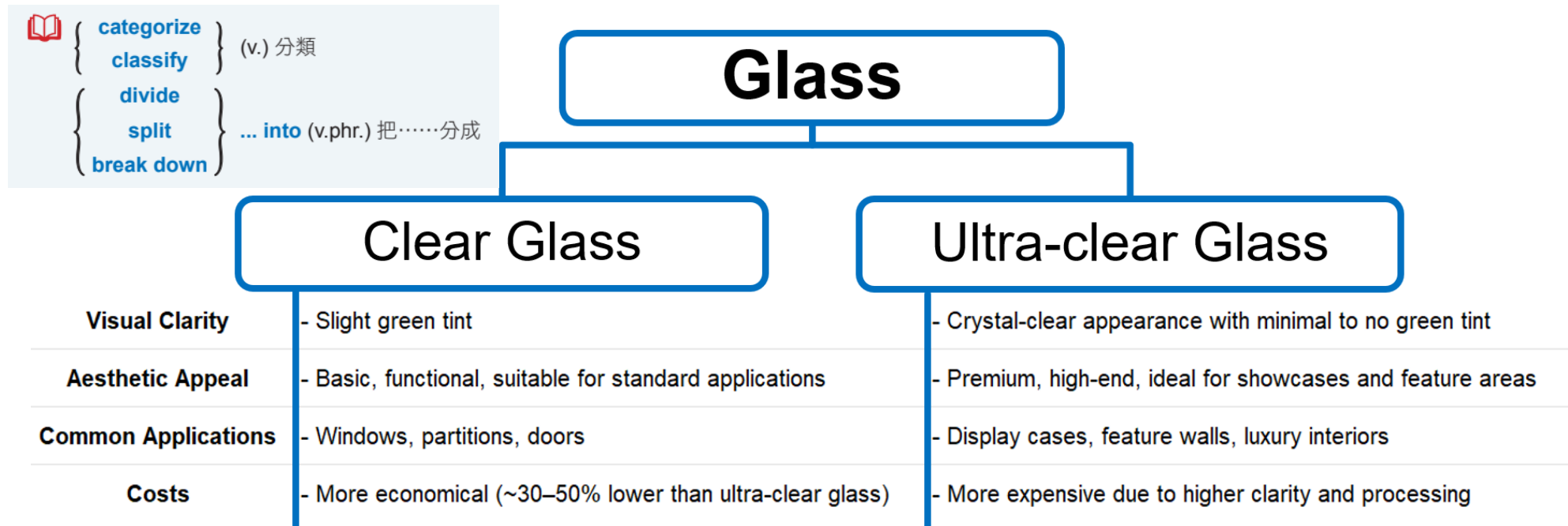


# Useful Strategies and Language

## 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”.

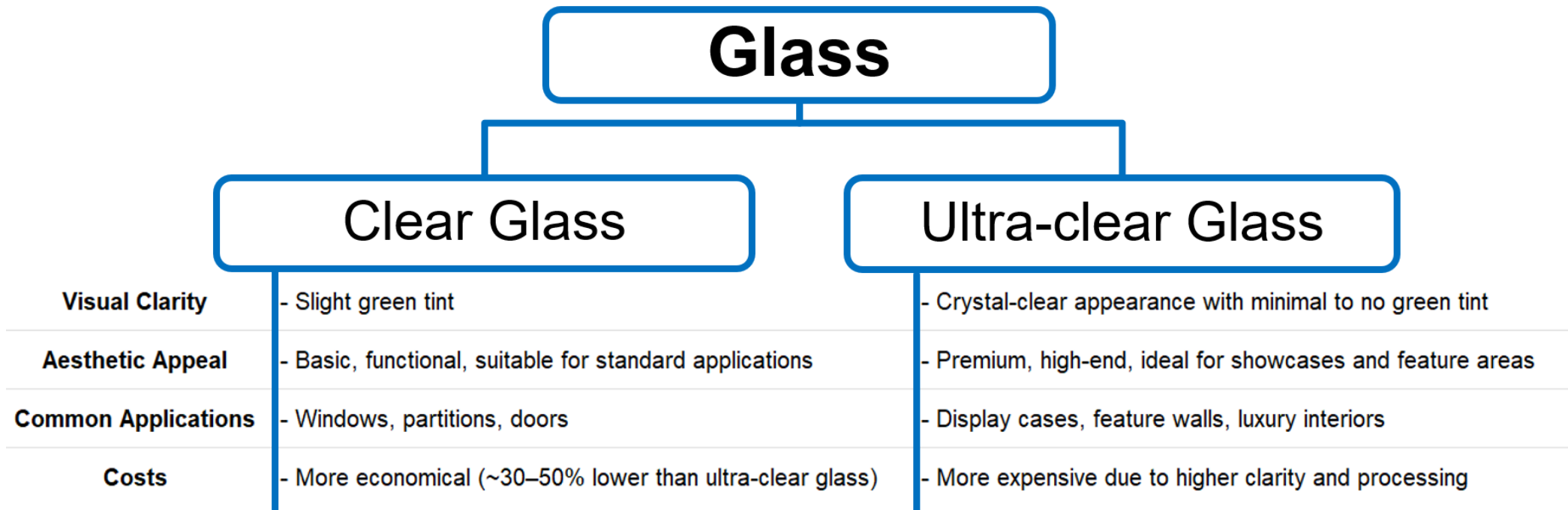


# Useful Strategies and Language

## Description:

■ \_\_\_\_\_ **be categorized / classified as** \_\_\_\_\_.

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



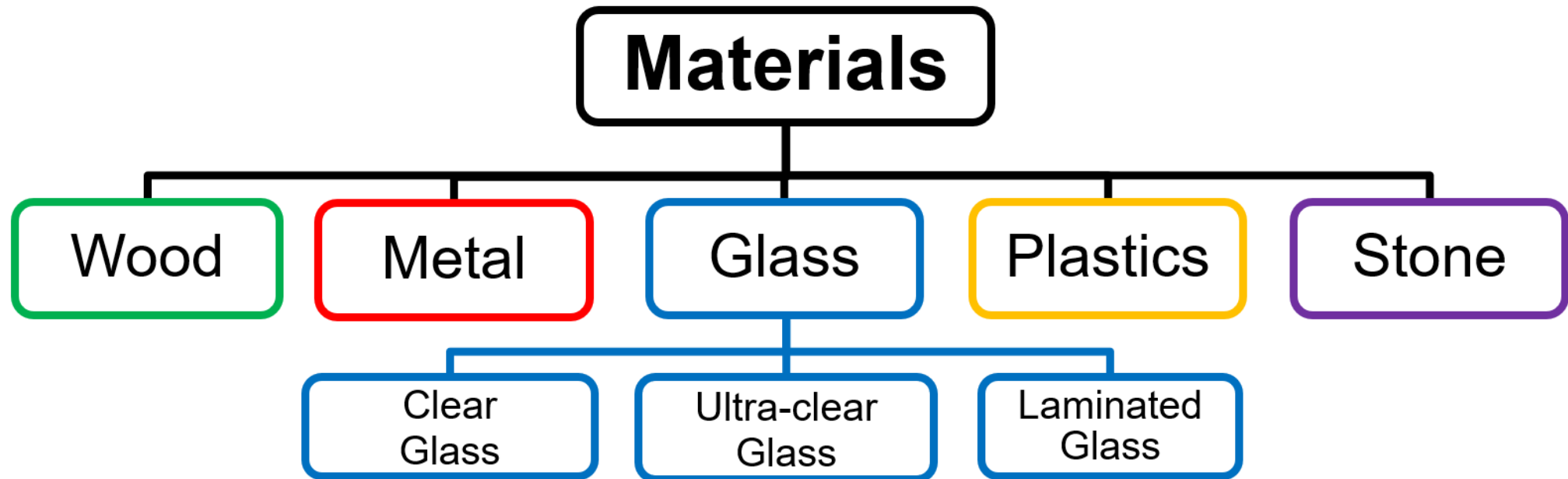
# Useful Strategies and Language

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## Definition:

■ The tree map **defines** \_\_\_\_\_.

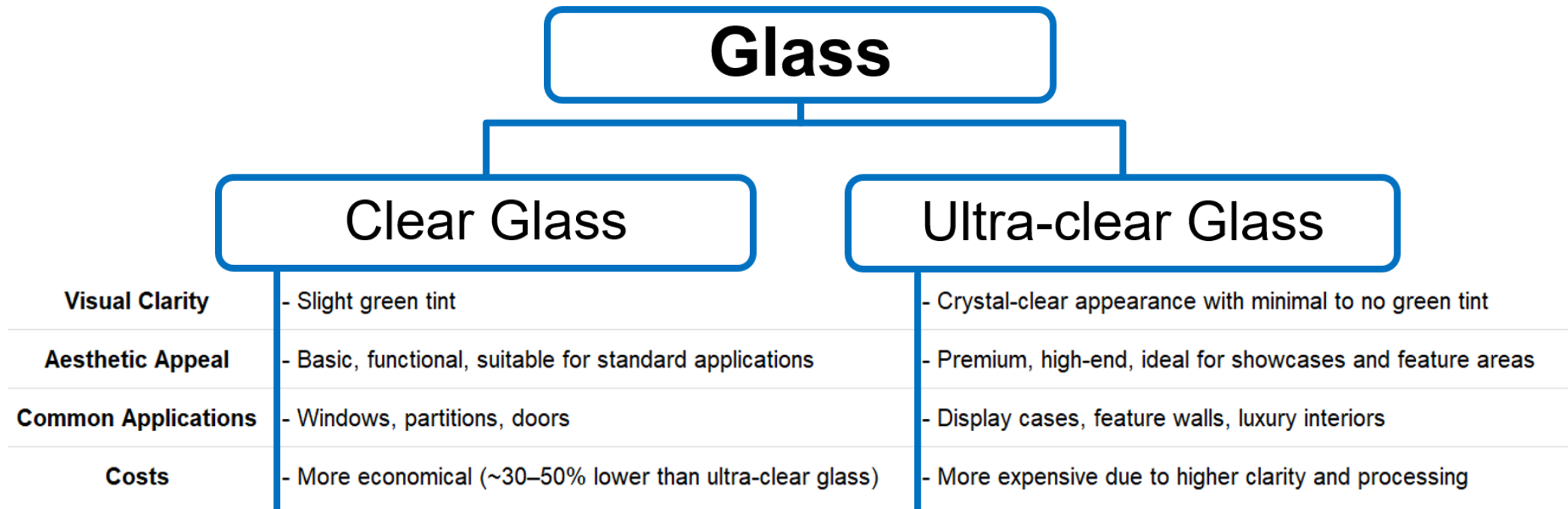
➡ The tree map **defines** glass as a solid-like and transparent, or translucent, material.



# Useful Strategies and Language

## Definition:

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





# Speaking Activity

# Speaking Task

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- 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.

☐ Wood

☐ Metal

☐ Ceramic

☐ Glass

☐ Plastics

☐ Textiles

☐ Leather

☐ Paper

☐ Rubber

☐ Stone

☐ Composite



# Speaking Task

wheelofnames.com

Customize New Open Save Share Gallery More English

Entries 11 Results 1 Hide

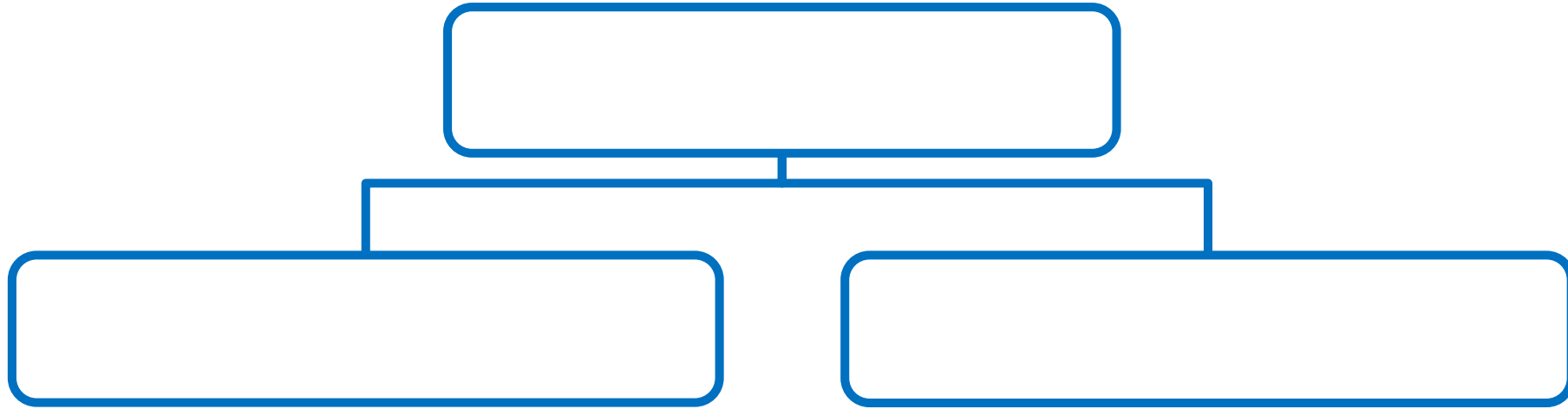
Shuffle Sort Add image Advanced

Wood  
Metal  
Ceramic  
Glass  
Plastics  
Textiles  
Leather  
Paper  
Rubber  
Stone  
Composite

Version 347 [New!](#) [Changelog](#)

# The Classification Chart of \_\_\_\_\_

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**Class Dismissed!**

