In The Name Of God

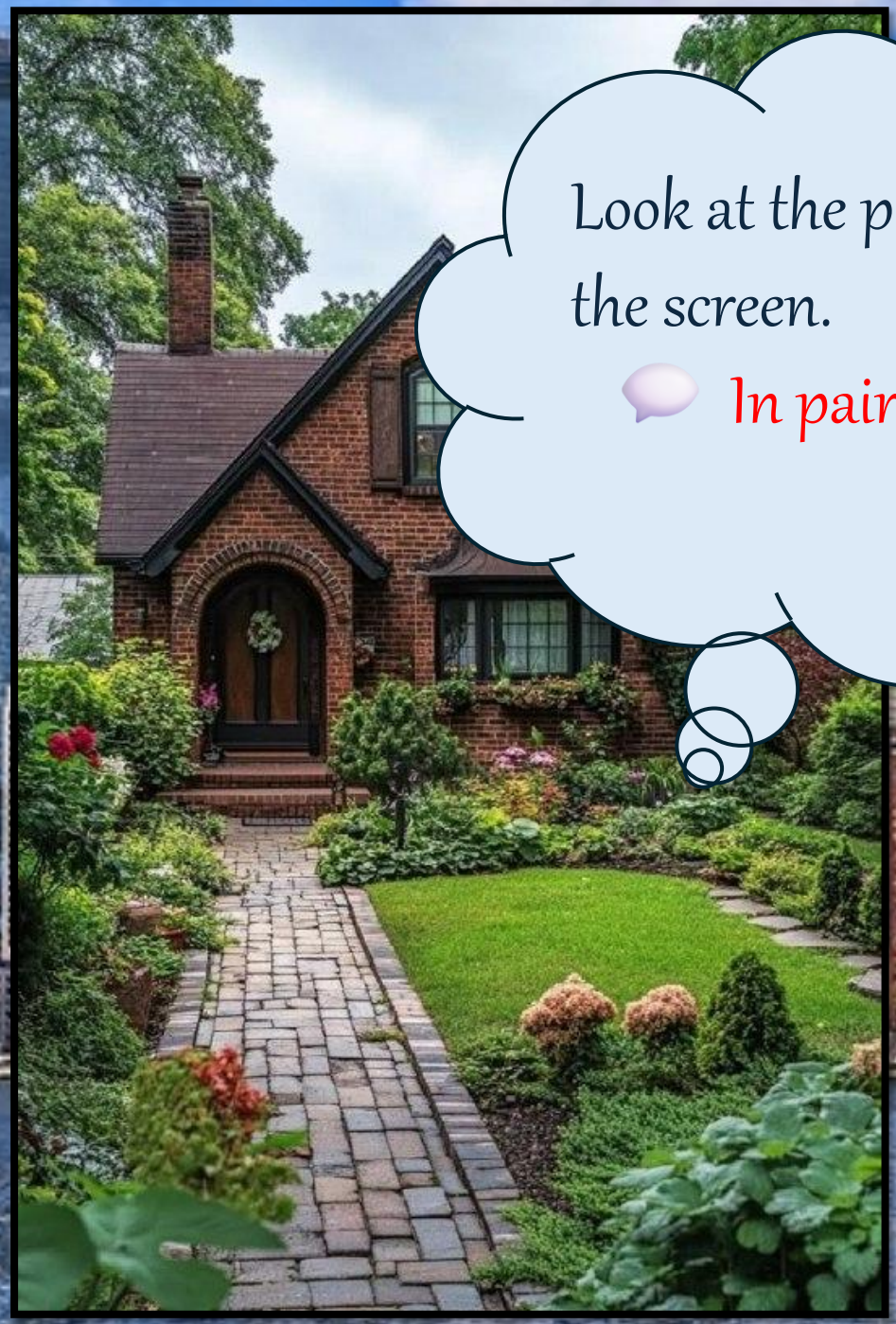
Hello, everyone.
Welcome to our new session. Nice to see you today

Made by teacher Sasan Ghasemi

Write 3 sentences about yourself on the board.

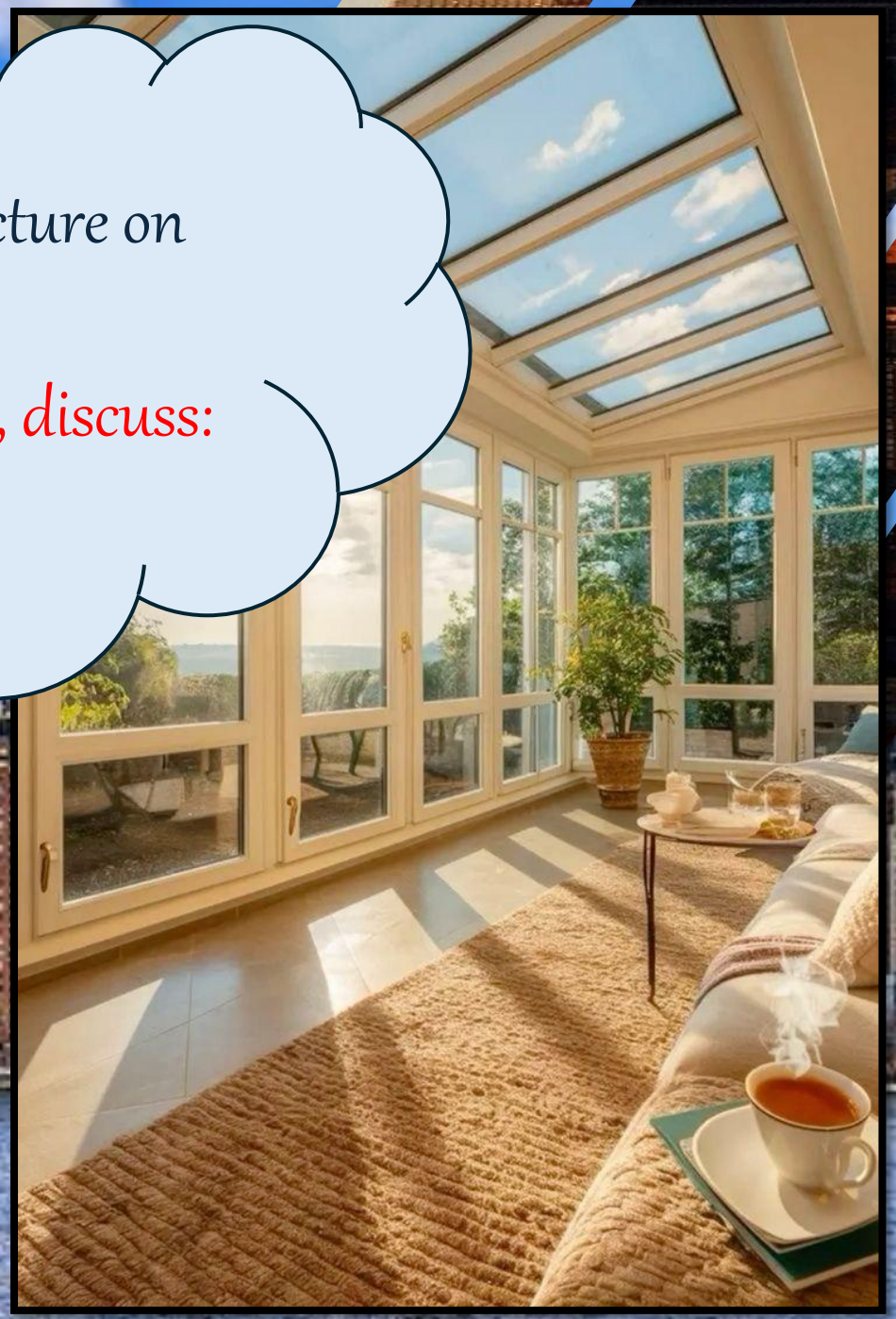
2 are true, 1 is a lie.

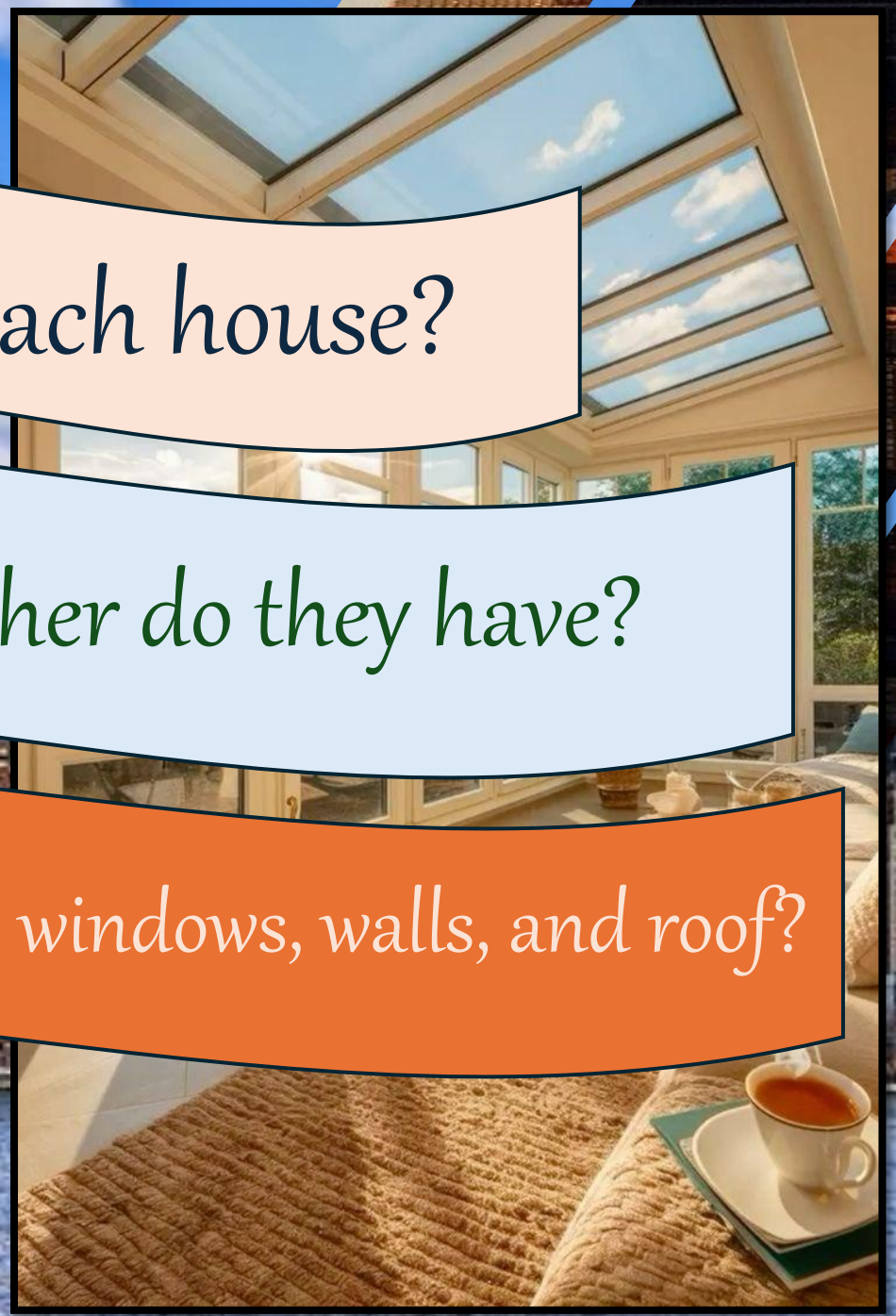
ask questions and try to find the lie.



Look at the picture on the screen.

In pairs, discuss:





Where is each house?

What kind of weather do they have?

What's different about the windows, walls, and roof?

Sustainable

Good for the planet 🌍

Uses local materials

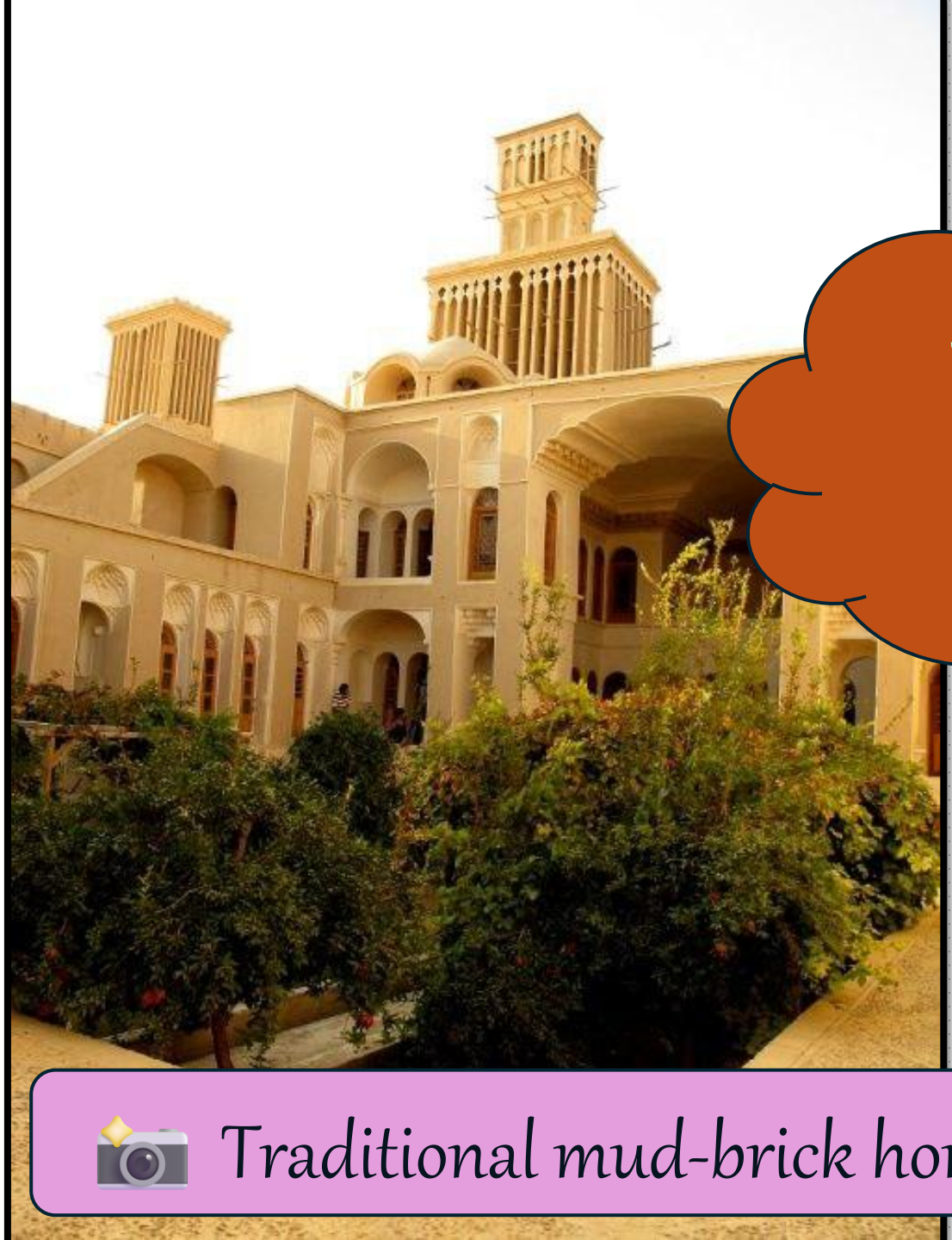
Sustainable

Good for the planet 🌍

Uses local materials

Sustainable

Not harmful to the environment.



Hot & Dry Climate

📸 Traditional mud-brick home in Yazd, Iran

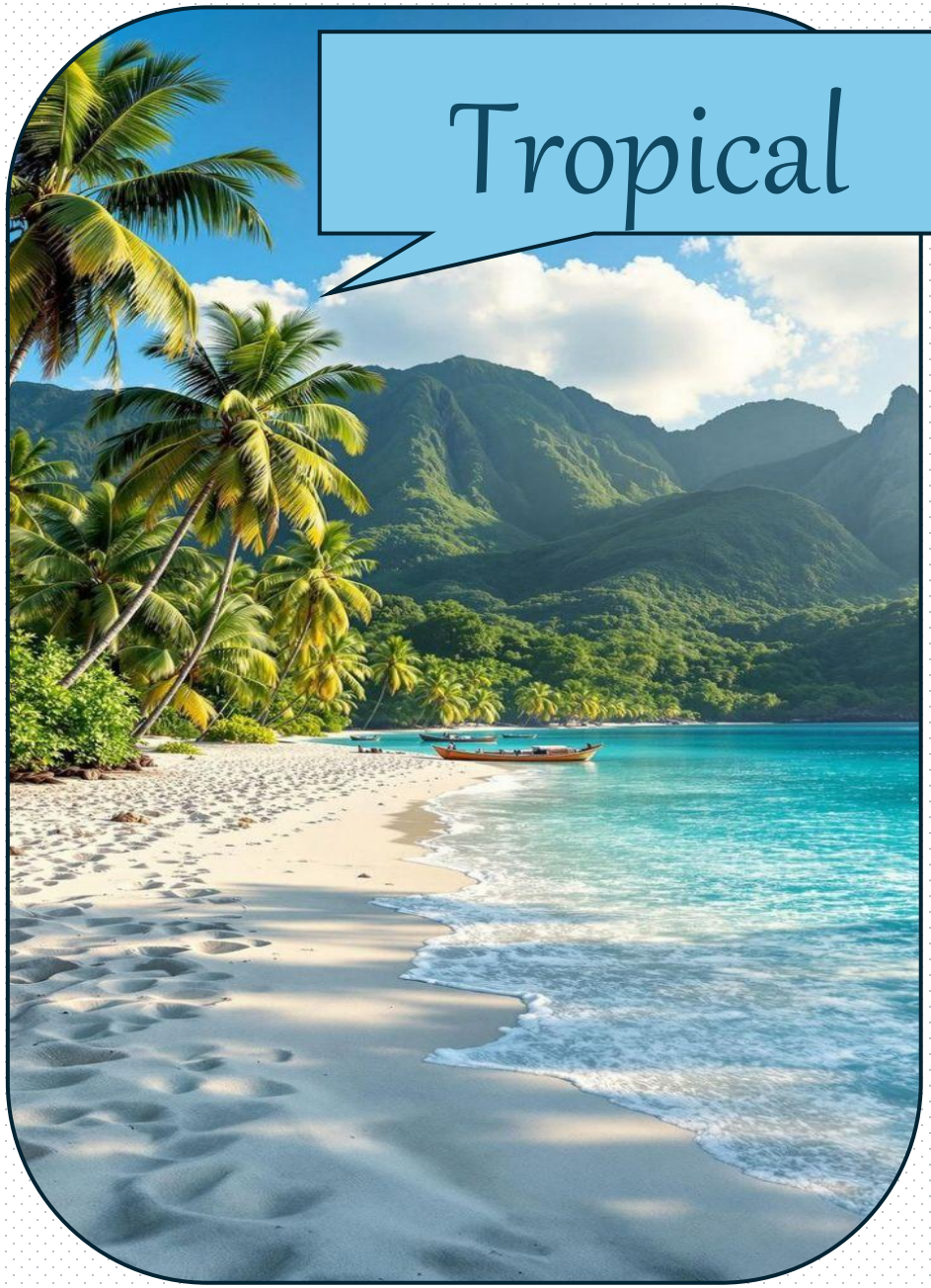
Material
Mud brick

Material
Clay

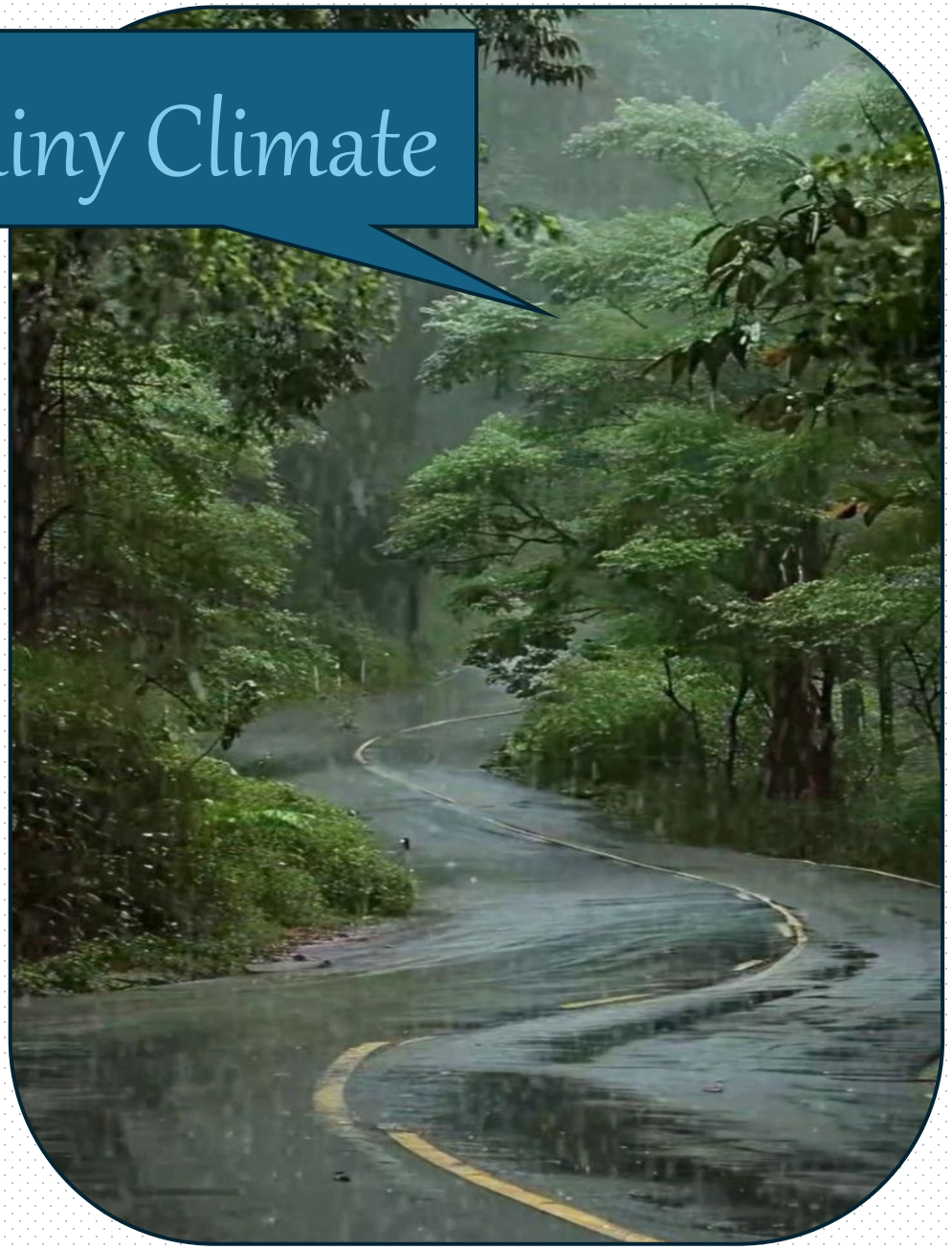
Feature
Thick walls

Purpose

Keeps the inside cool


Tropical

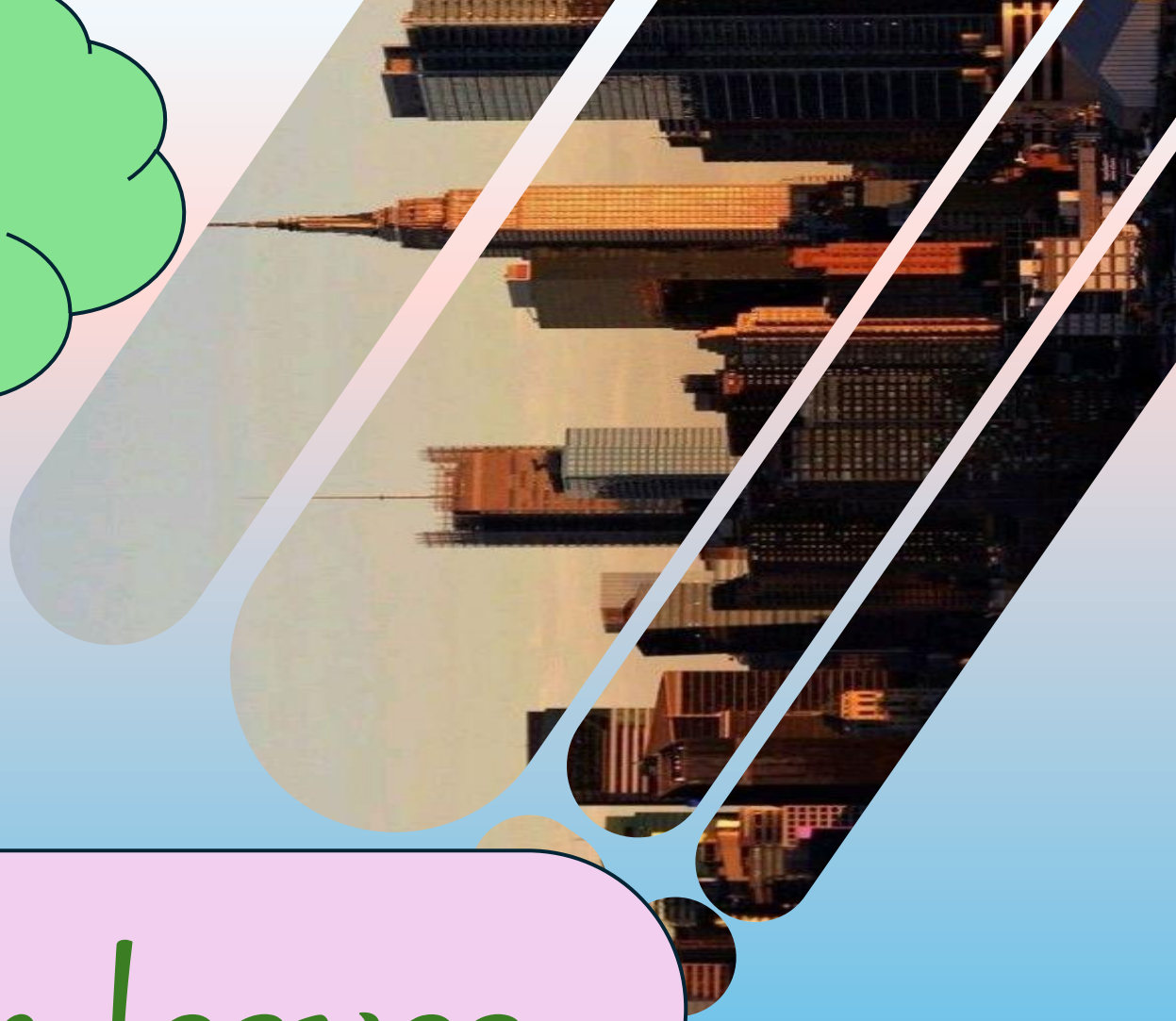
&


Rainy Climate

Material

Bamboo

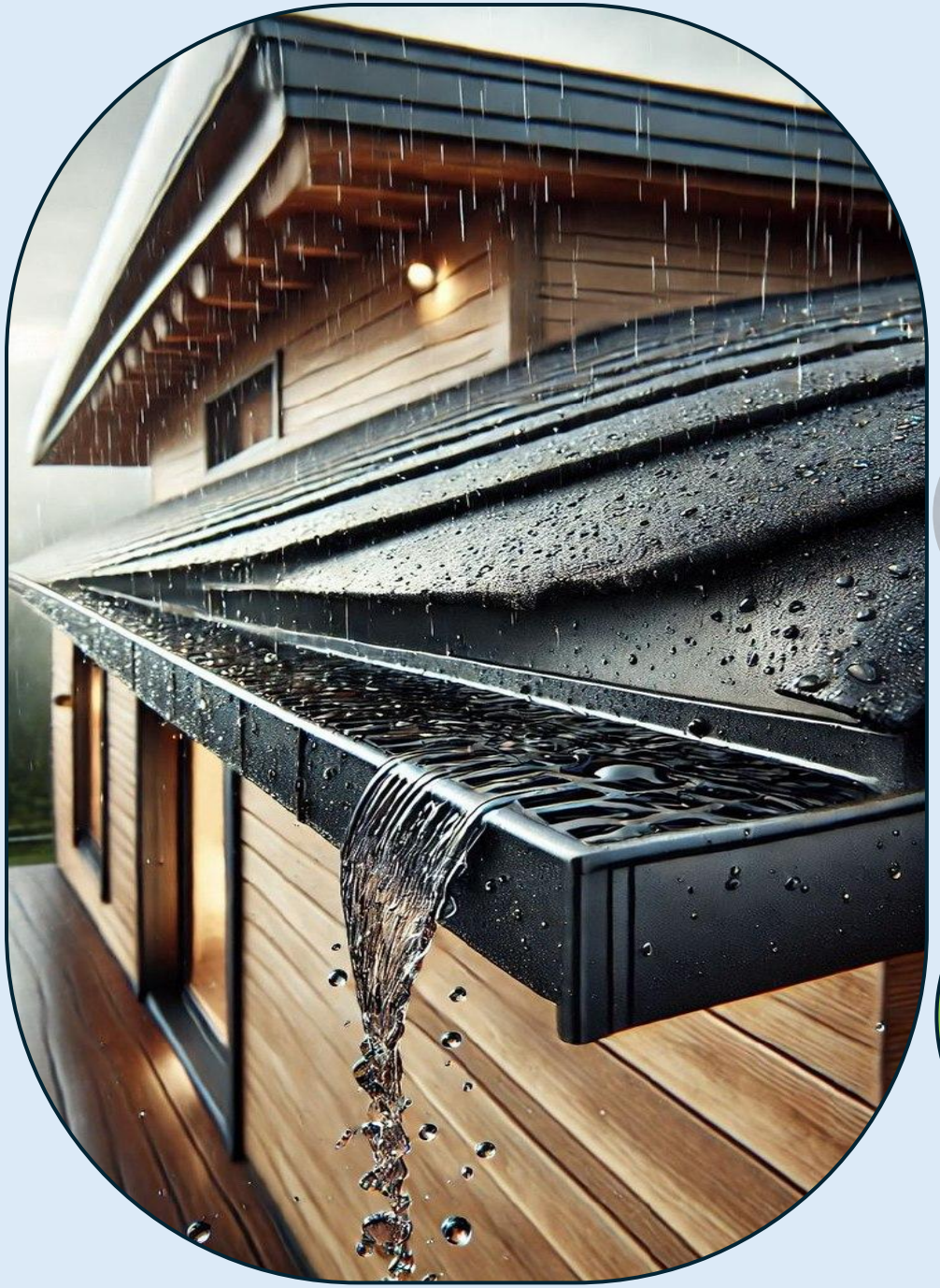
Material



Palm leaves

Feature

Steep roof



Purpose

Rain slides off quickly

Practice

✍️ Task 1: Match the Material to Its Function

Keeps house cool in hot weather

Light and good in wet places

Very strong and safe

Warm and available in forests

Practice

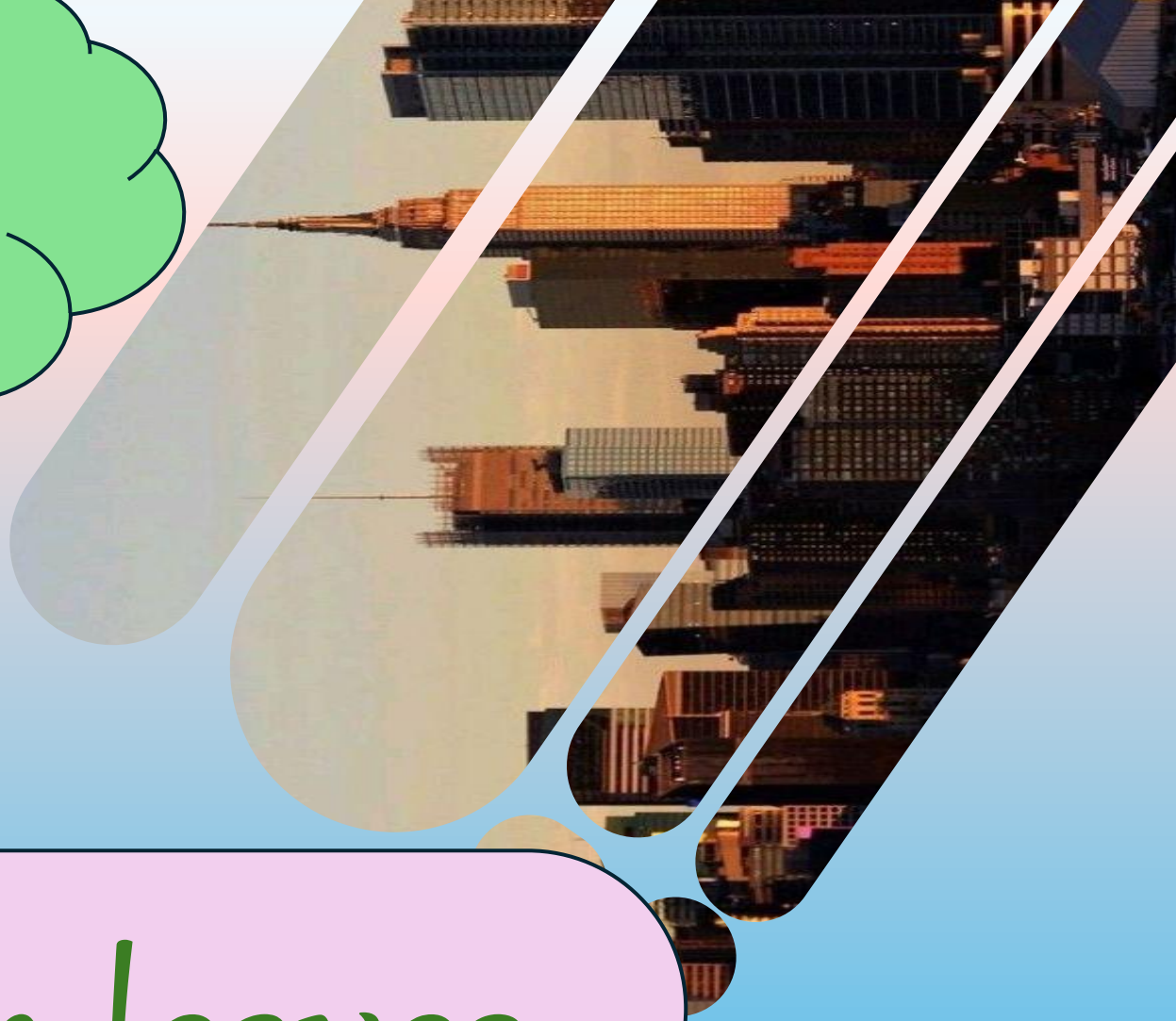
Task 2: Build Logical Sentences

Use the words below to write full sentences:

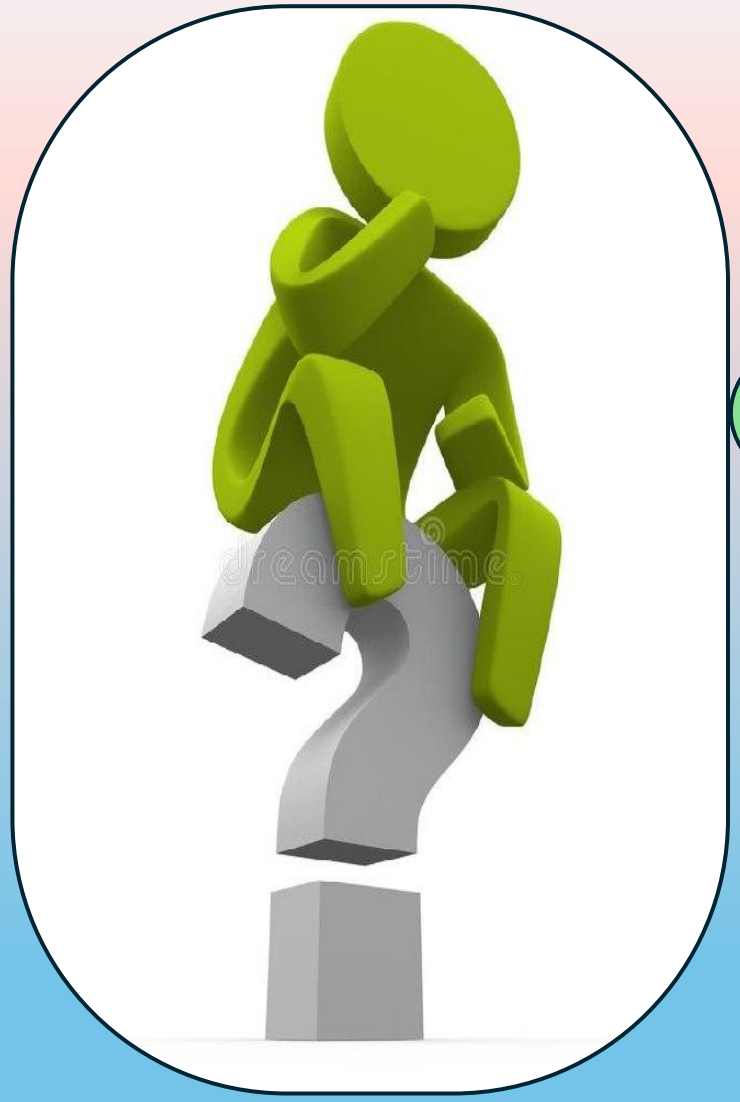
Materials: wood, mud, stone, bamboo
Functions: strong, cool, available, warm

✅ **Example:** "People use mud because it keeps the house cool."

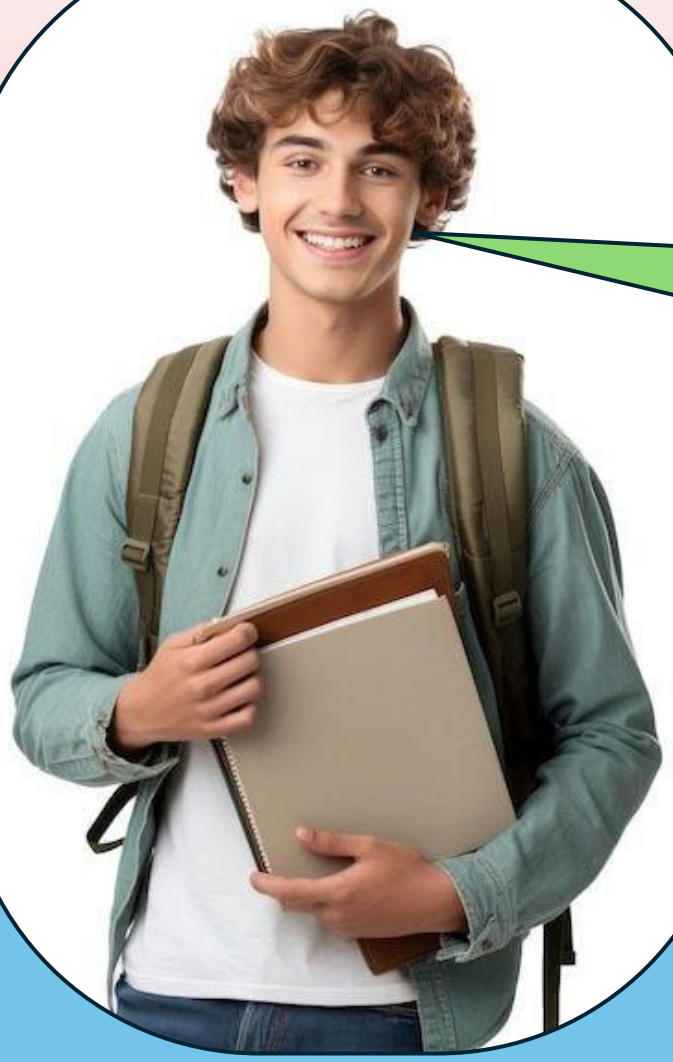
Material



Palm leaves

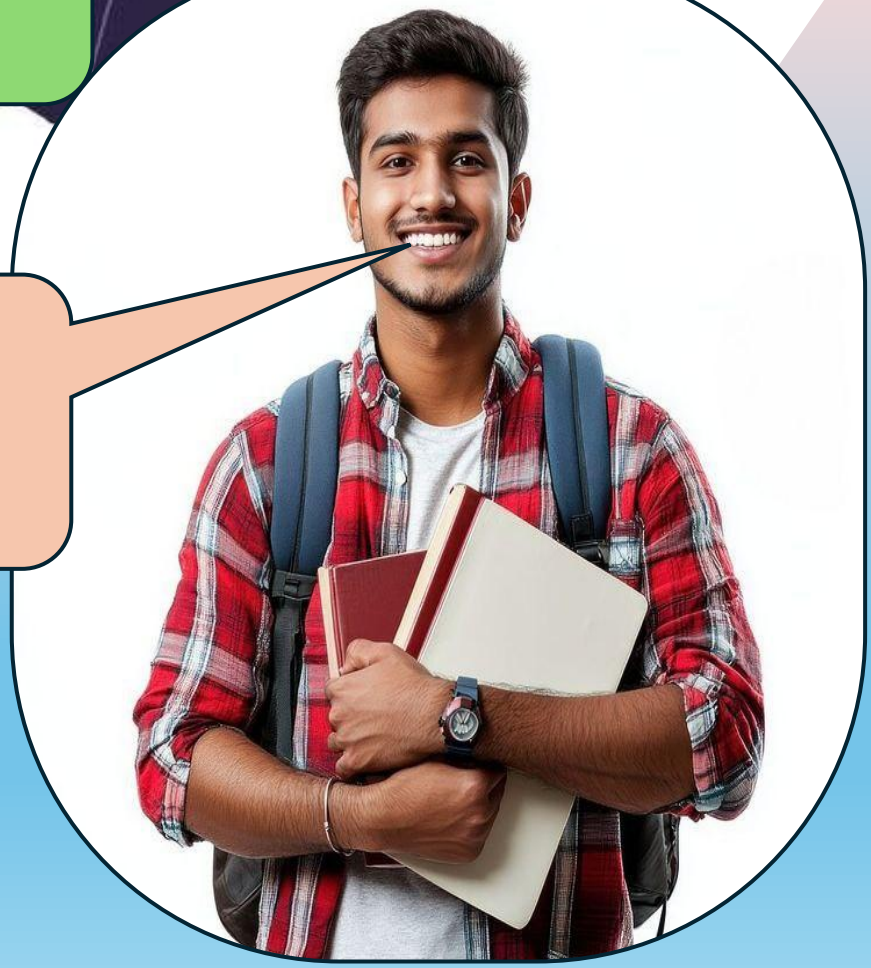


Climate Quick-Fire!



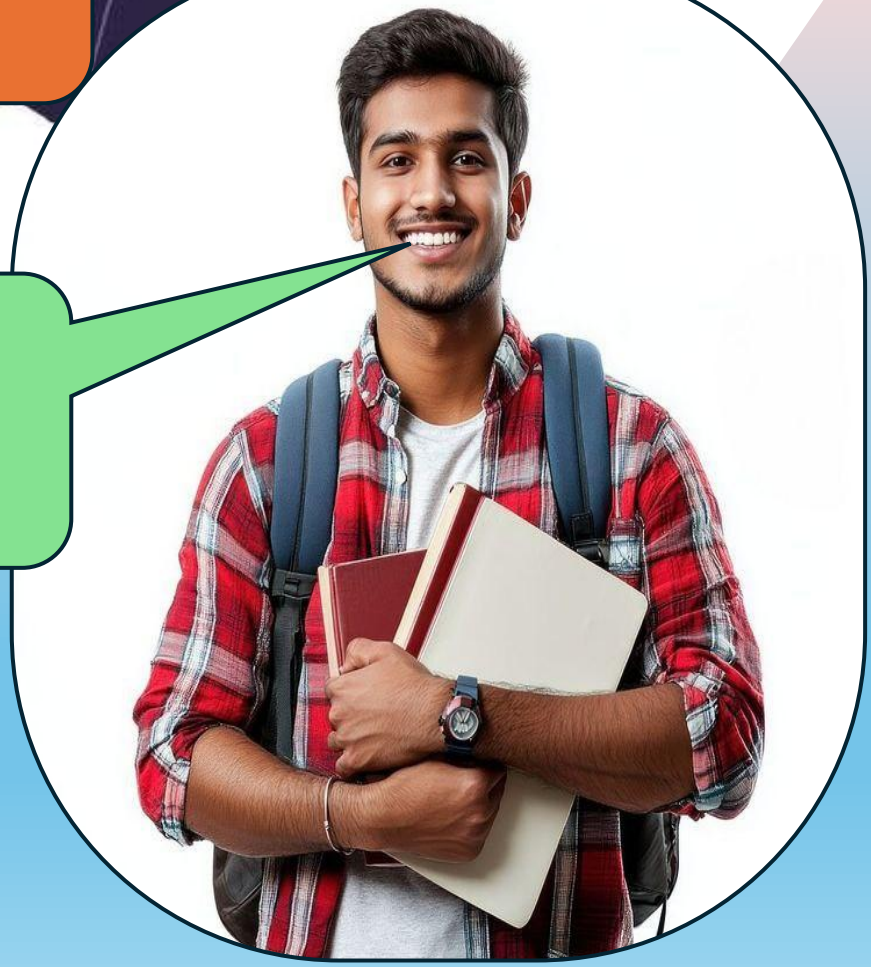
Hot and dry climate!

Thick walls!” / “Mud brick!



Why use steep roofs?

For rain!



Pick 2–3 materials for your house:

Wood | Brick | Stone | Mud | Ice | Steel

👬 In Groups:

Choose a climate:

☀️ Hot & dry | 🌧️ Rainy & tropical | ❄️ Cold & snowy

🔹 🗣️ Prepare to say:

👉 “We used _ because it’s _.”

👉 “Our house is good for _ climate.”

In The Name Of God
Smart Buildings
The Future of Living and Working
Made by teacher Sasan Ghasemi

- Two teams
- One student silently acts out a technology (e.g., phone, robot, smart TV)
- No speaking or sound effects
- Team guesses in 30 seconds.
- 1 point for each correct answer

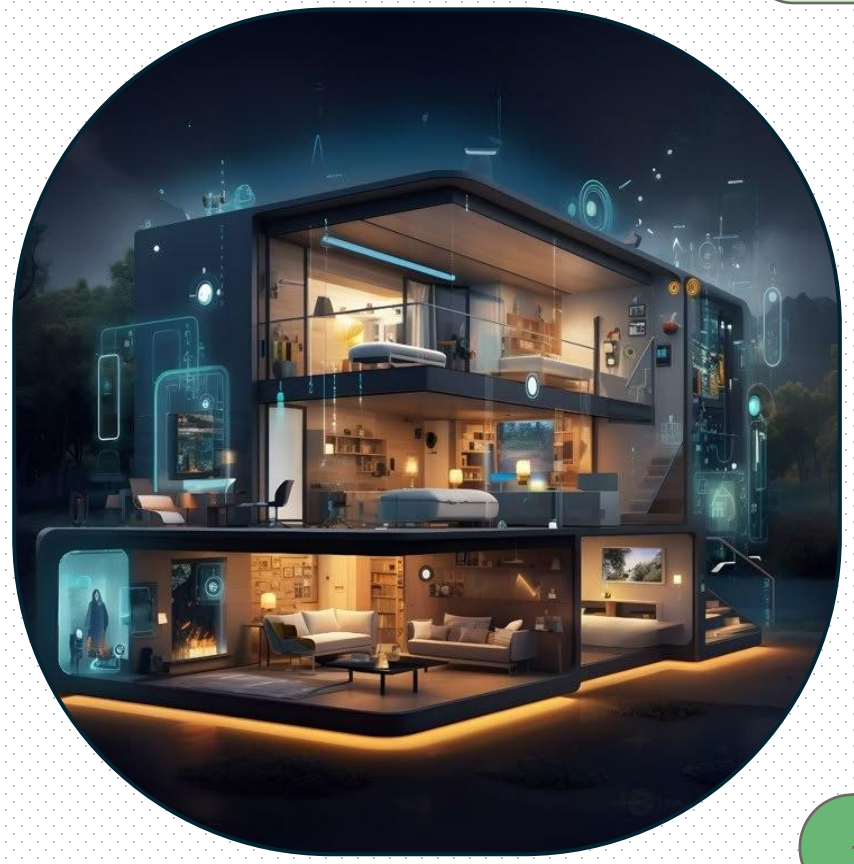
Everyday Problems
Forgetting to turn off the lights
Worrying if the door is locked
Arriving home to a cold house

🧠 Discussion – What If...?

🤔 How can technology solve these problems?

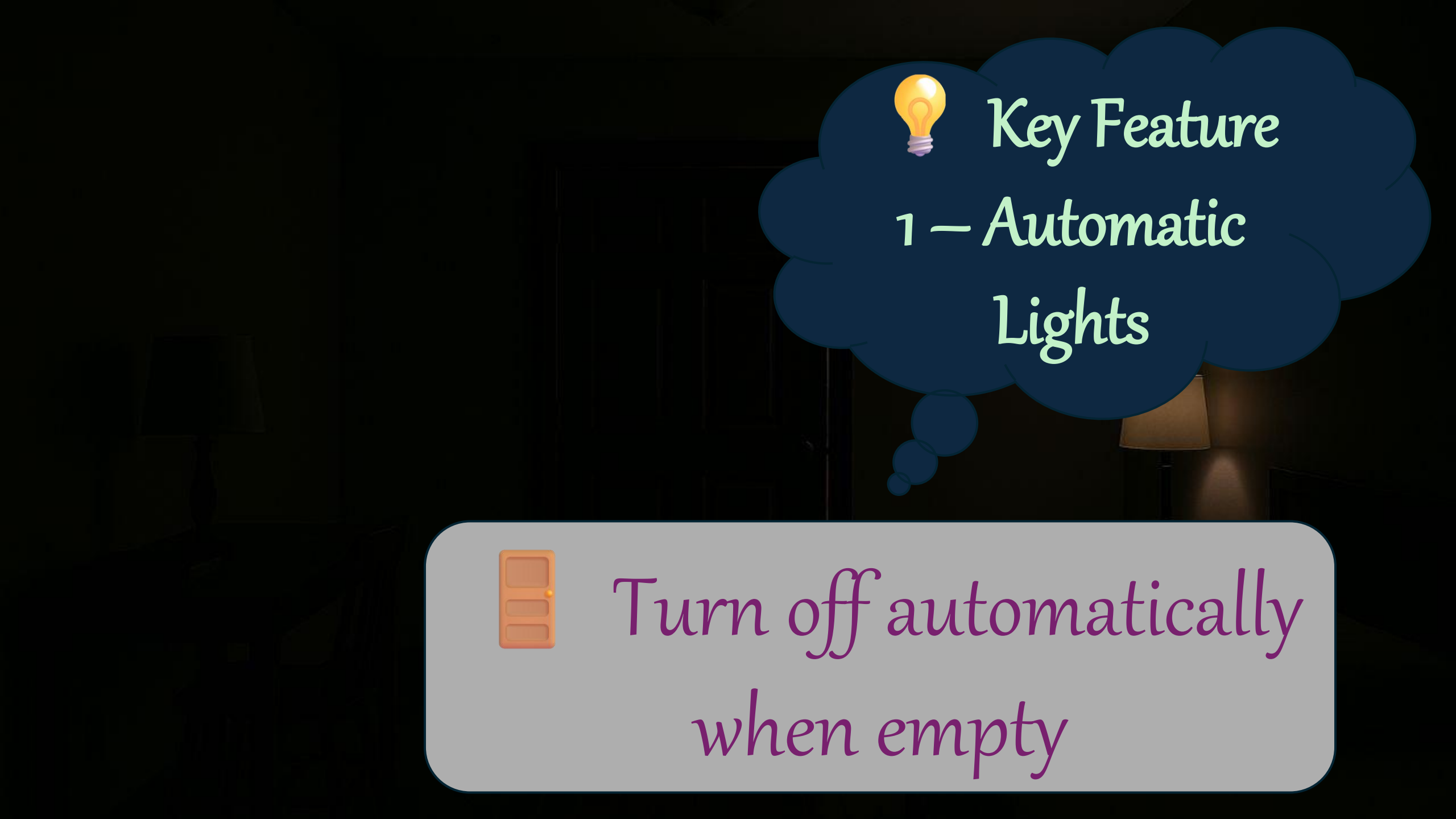
🏠 What if your house could think for you?

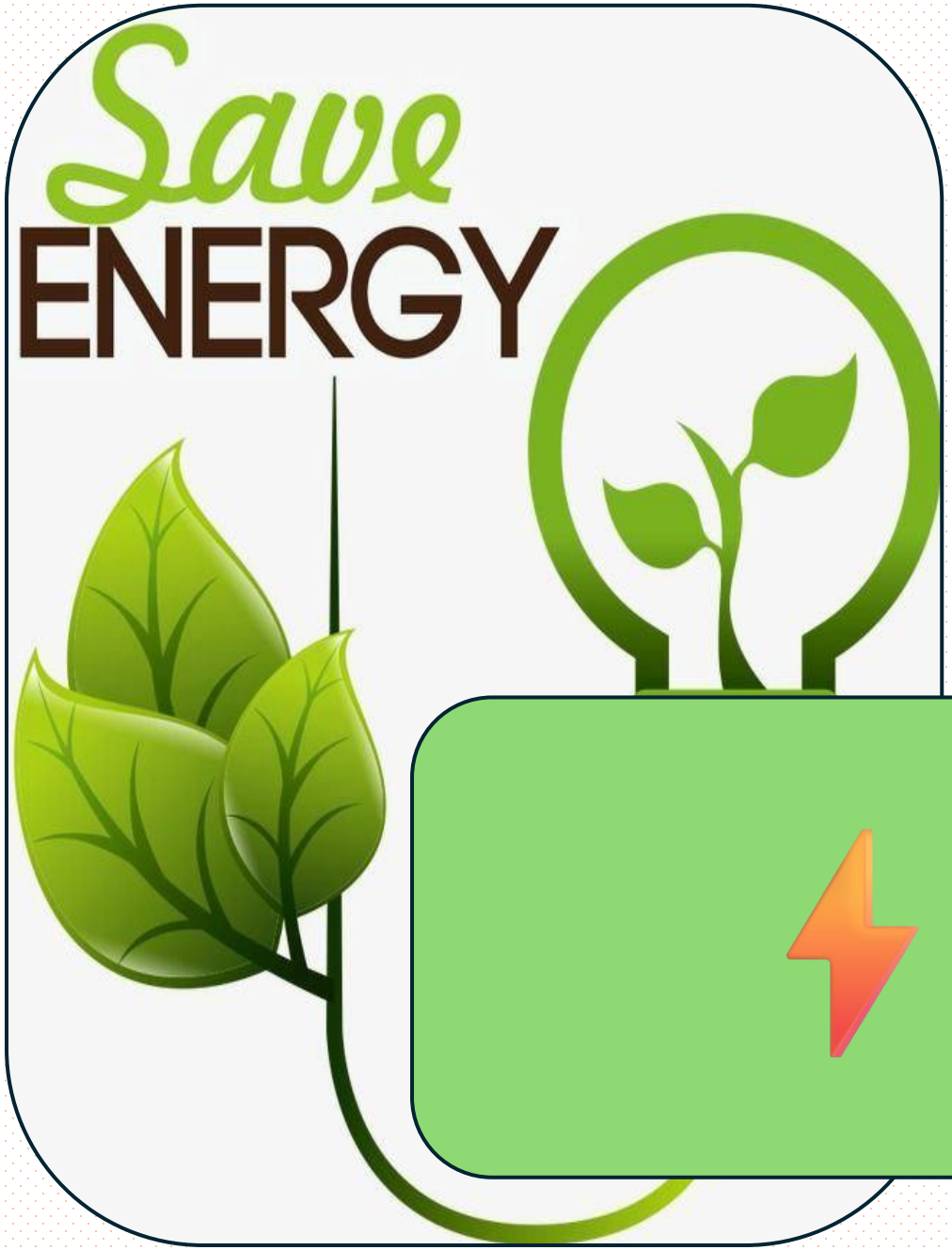
Smart buildings use technology and AI to:



- ✅ Make life easier
- ✅ Increase safety
- ✅ Improve energy-efficiency

Key Feature
1 – Automatic
Lights
Lights turn
on when you enter


Key Feature
1 – Automatic
Lights
Turn off automatically
when empty



Purpose

Saves energy

Key Feature 2 – Smart Thermostat

- Learns your routine
- Adjusts based on weather and time
- Keeps the house comfortable

🧪 Key Feature 3 – Sensors

Sensors can check:

- 🌬️ Air quality

🧪 Key Feature

3 – Sensors

💡 Light levels

🧪 Key Feature 3 – Sensors

👣 Movement in a room

Key Feature
4 – Smart
Security
View your front door from anywhere

🔐 Key Feature 4 – Smart Security

📸 Security cameras and alarms on your phone

Key Feature
4 – Smart
Security
Makes your home safer

How Do You Control It?

Key Feature 4 – Smart Security

Use mobile apps

How Do You Control It?

Key Feature 4 – Smart Security

Use voice commands (e.g., Alexa or Google Assistant)

Examples in Real Life
Smart Homes (Alexa, Google Assistant)

Examples in Real Life

Smart Airports

Examples in Real Life

Smart Museums and Offices

Practice

Match the beginnings and endings of these sentences.

A. The lights turn off...

B. You can check your door...

C. A smart thermostat...

...from your phone.

...when the room is empty.

...adjusts the temperature.

Practice

✍️ Task 2: Fill in the Blanks

Complete the sentences using the correct word.

Complete the sentences using the correct word.

Smart buildings can _____ energy.

You can control the lights with your _____.

A smart _____ learns your routine.

🏗️ Your Turn: Design a Smart Room!

🛋️ Choose a room (kitchen, bedroom, office)

🤖 Decide on 3–4 smart features

🎤 Prepare a short presentation

Thank
You