

## **BUILDINGS ARE MADE OF MATERIALS THAT ARE:**



- STRONG

to last



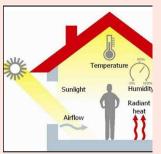
- SAFE

to protect people



- AVAILABLE

found nearby



- COMFORTABLE

for the weather

### **CLIMATE CHANGES EVERYTHING!**

## IN HOT AND DRY PLACES:



- Better to use thick walls made of mud brick or clay
- These materials keep the inside cool.

### IN TROPICAL/RAINY PLACES:



- Recommended to use bamboo, palm leaves, or light wood
- Roofs are steep so rain slides off quickly



Traditional houses in
 Yazd, Iran use mud
 bricks and wind towers



Thatched houses in

Southeast Asia use palm

or grass roofs

# SUSTAINABLE BUILDINGS (GREEN BUILDINGS)

These are buildings designed to be good for the <a href="mailto:environment">environment</a> and save resources like <a href="mailto:water">water</a>, <a href="mailto:energy">energy</a>, and materials.

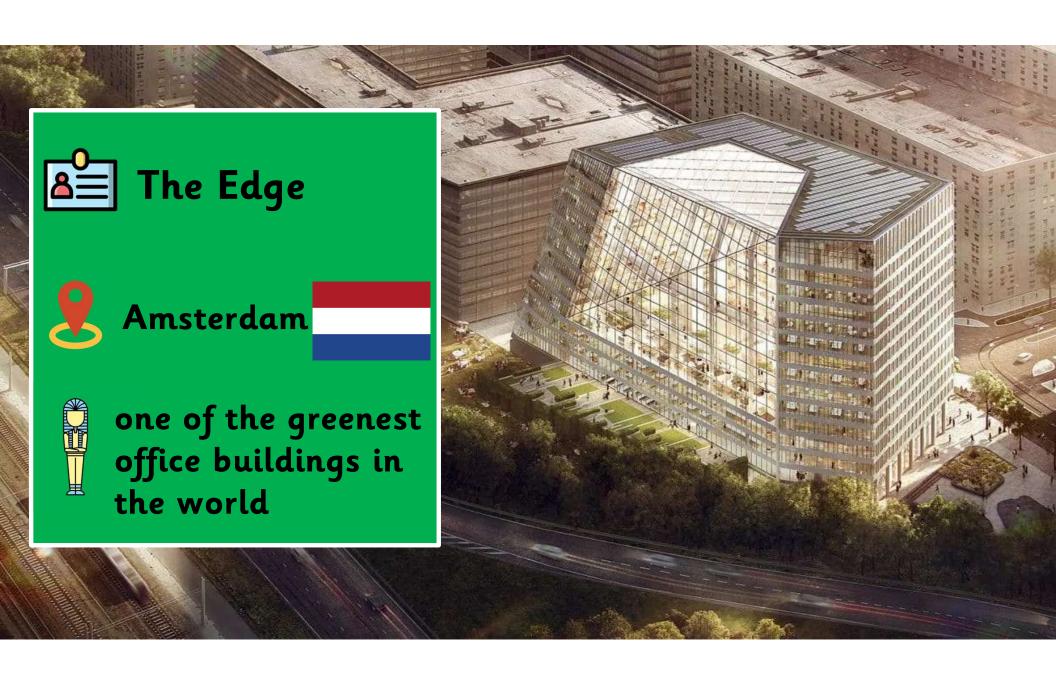


#### What's special about them?

- · Use solar panels to get power from the sun
- · Made from recycled or natural materials (like bamboo or wood)
- · Have green roofs (plants growing on rooftops!)
- · Use rainwater collection to water plants or flush toilets
- · Designed to stay warm or cool without needing too much electricity









# SMART BUILDINGS

These buildings use technology and Artificail

Intelligence to make life easier, safer, and more

energy efficient.



#### What's special about them?

- Automatic lights that turn off when no one is in the room
- Smart thermostats that change the temperature based on weather or time of day
- · Sensors that check air quality, light levels, or motion
- · Security cameras and alarms that are connected to phones
- · Can be controlled with apps or voice commands



