



























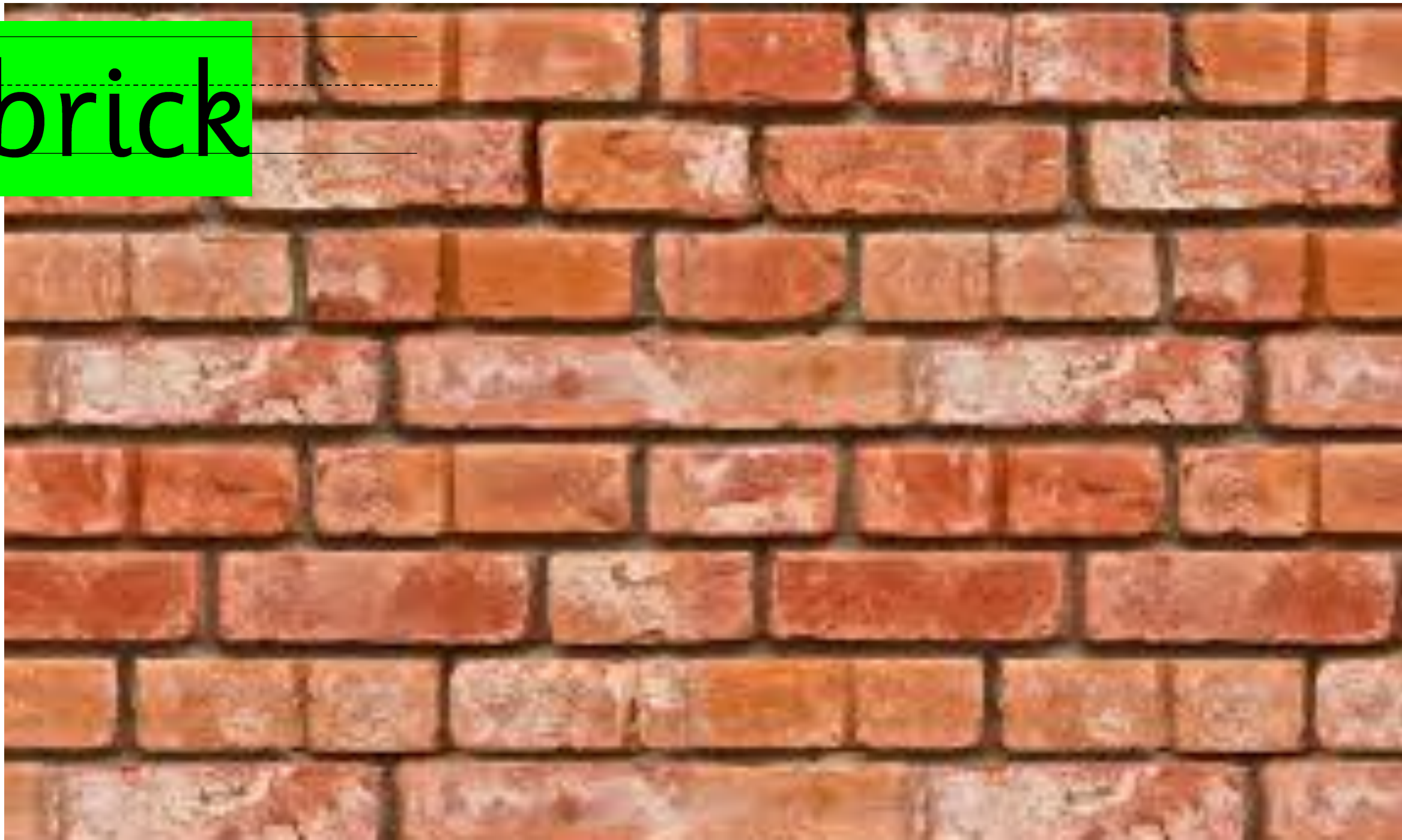
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 Am	 BWk	 Csb	 Cwb	 Cfb	 Dsb	 Dwb	 Dfb	 EF
 Aw	 BSh		 Cwc	 Cfc	 Dsc	 Dwc	 Dfc	
	 BSk				 Dsd	 Dwd	 Dfd	

climate



brick



concrete



concrete



steel



cement



aluminium



Building materials:

There are many materials used in construction.

1. Some are strong to last: aluminum, concrete,....
2. Some are for safety: steel, brick,
3. Some are available easily: stone, wood, mud,
4. Some are comfortable to use: glass, cement, ice,

How Materials Change with Climate Change

Climate change can affect many materials around us. When temperatures rise, some materials, like metal, can expand. When it gets colder, they can shrink. Wood can also change—it may crack or warp if it gets too dry or too wet. Plastic left in strong sunlight can become weak or brittle. Even buildings and roads can be damaged over time by changes in heat, rain, and wind. This is why it's important to choose strong, weather-resistant materials as the climate changes.

In hot and dry places:

- It is better to use thick walls made of mud brick or clay.
- these materials keep the inside cool
- for example, traditional houses in Yazd use mud bricks and wind Towers.

In cold and rainy places:

- It is better to use bamboo, palm leaves or light wood.
- Roofs are steep, so rain slides off quickly.
- For example, thatched houses in southeast Asia use palm or grass roofs.

- 1.Name the materials used for safety:
- 2.Name the materials used for strength:
- 3.Name the materials used for being comfortable to use:



1. what materials should we use in cold places?
2. what materials should we use in hot places?



1. What happens to metal when temperatures rise?
2. How can wood change in different weather conditions?
3. What happens to plastic when it is left in strong sunlight?
4. Why can buildings and roads be damaged over time?
5. Why is it important to choose weather-resistant materials?

