

STRUCTURES

STRUCTURES IN EVERYDAY LIVES



- must resist forces
- must not collapse during use
- must hold parts in the right place

NATURAL AND MAN-MADE STRUCTURE

→ natural structures

- eg: leaf, skeleton, snail shell, honeycomb

→ man-made structures

- frame structures
- shell structures

FRAME AND SHELL STRUCTURES

→ frame structures

- constructed by joining separate pieces of materials called members to support and protect various parts
- eg: cranes, roofs, scaffolding, bus stop shelters

→ shell structures

- have an outer shell to provide strength, do not have a frame
- eg: safety helmets, car bodies

FUNCTIONS OF STRUCTURES

→ supporting a load

- strong enough to stay in place

→ spanning between points

- use to go over something
- eg. overhead bridge

→ containing things

→ protecting things