

Q) Write some of the adaptations of a camel and a polar bear.

## Structural Adaptations

### Camel

- Hot weather
- Fat  $\rightarrow$  Hump stores  $\rightarrow$  Provides energy when food is scarce
- Long eyelashes  $\rightarrow$  keep sand out of eye
- Thin layer of fat
- Large surface area to volume ratio (ears, legs, tail)
- Tough tongue/mouth (can eat cacti)
- Feet with large surface area
- Distribute weight on sand

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## Polar bear

- White fur  $\rightarrow$  Camouflage with white snow  $\rightarrow$  can hunt prey & not be detected
- Feet with large surface area
- Sharp teeth to hunt prey and kill
- Weight is distributed on snow
- Small ears  $\rightarrow$  Reduce heat loss
- Thick fur
- Thick Blubber  $\rightarrow$  Insulation

Low surface area to volume ratio so less heat is lost and they can retain heat