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अजैविक घटक

Abiotic factors

→ Too cold / hot ⇒ S ↓ P ↓
कम अथवा ज्यादा तापमान

तापमान

Temperature

→ 0°C

Polar

→ 100°C

Hot springs

→ संख्या / आबादी

→ Species / Population
प्रजाति

① Temperature तापमान

The living organism are found from 0°C to 100°C on Earth.

→ Living organism

are found in

deserts of tropical

area or near equator

⇒ Temperature affects the population of organism as well as number of species in an ecosystem.

Along with it, living organisms
can also be found in
depth of oceans, or polar areas
where temp is below 0°C

Human
cat
dog
Goat etc

व्यापक परास (सीमा) (range)

पृथुवापी / Eurythermal

Organisms surviving in broad range of temperature are called Eurythermal.

Mangrove = मैंग्रोव

सुप्रीम कोर्ट

eg → Polar bear

नरुनीपी

Snow leopard

18°-27°

→ Coral Reefs

प्राणिक जीवन

Stenothermal

← सीमित

→ narrow

परिसर

→ बहुत कम

→ Penguin

पेंग्विन

Those organism which survive in narrow range of temperature, are called Stenothermal.

Lake = 5 ppt - 35 ppt \Rightarrow more

Water \Rightarrow OTOT

नमकील \Rightarrow Salinity

सीढा / नदी
पानी

River \Rightarrow 5 ppt

PPT

रेवारा पानी Oceans / सागर = 35 ppt

प्राकार

Euryhaline

पुन्यचरणी

→ Rivers/ नदी

Charial

→ मीठा पानी

Stenohaline

सुचरणी

Muyer

→ River
→ lake
→ Sea

मीठा पानी

Saltwater
Crocodile

⇒ Saline
water

सुचरणी पानी

खिन्नी पान
सुचरणी पानी

Humans

Euryhaline
Steno haline

सुख्वाणी

मीठे पानी

मीठा पानी

Mangrove

खारे पानी

??

सुख्वाणी

खारे पानी

मीठे पानी

सुख्वाणी

Water / जल

- The life on earth evolved in water and it is not possible without water.
- Water affects the productivity of living organism.

सुशुद्ध

5 ppt

Generally, the salinity of water is less than 5 ppt (Part per thousand).
At the same time the salinity of sea water is approx 35 ppt.

Example Green Crab

हरा क्राब

व्यापक परास / Euryhaline

Mangrove

व्यापक परास (सीमा/Range)

~~मैंग्रोव~~

Those organism which can survive

मगर / Muger

in broad range of salinity are called Euryhaline.

किती
यरी

नarrow range
Stenohaline

Ex
Coral Reef
शारि/शारि/शारि

Those organism which can survive in
narrow range of Salinity are called
Stenohaline Sea Turtle / शारि/शारि/शारि

आहार श्रृंखला

प्रकाश

Light

Plant
↓
Herbivores

Reproduction

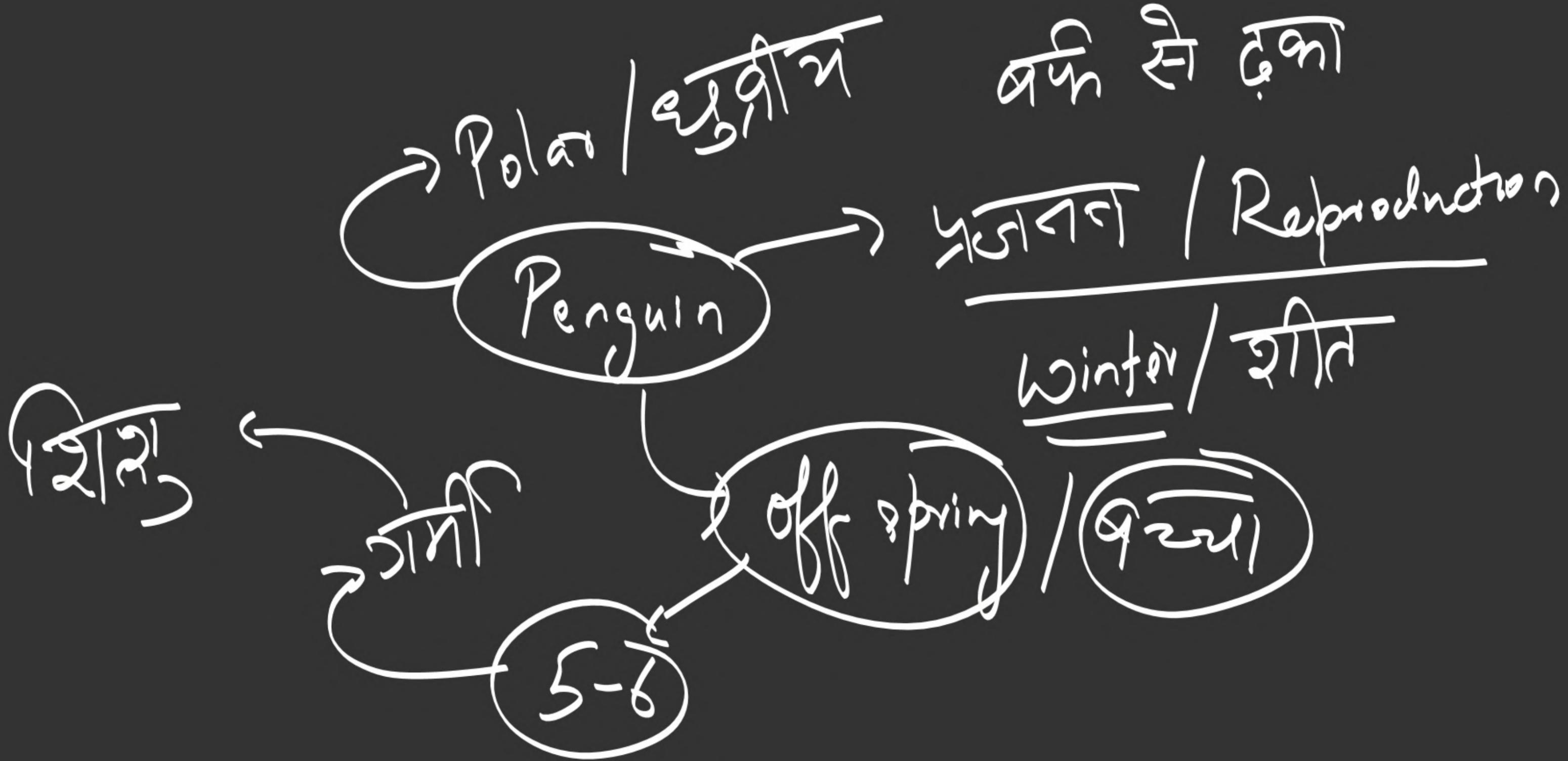
Photosynthesis

प्रकाश
संश्लेषण

दैनिकी / Daily activities

प्रजनन

जीवन क्रिया // life activities.



Penguin

Temp

उत्पन्निय \Rightarrow Eurythermal

न्यन्निय \Rightarrow Stenothermal

Stenothermal

Dog
Cat

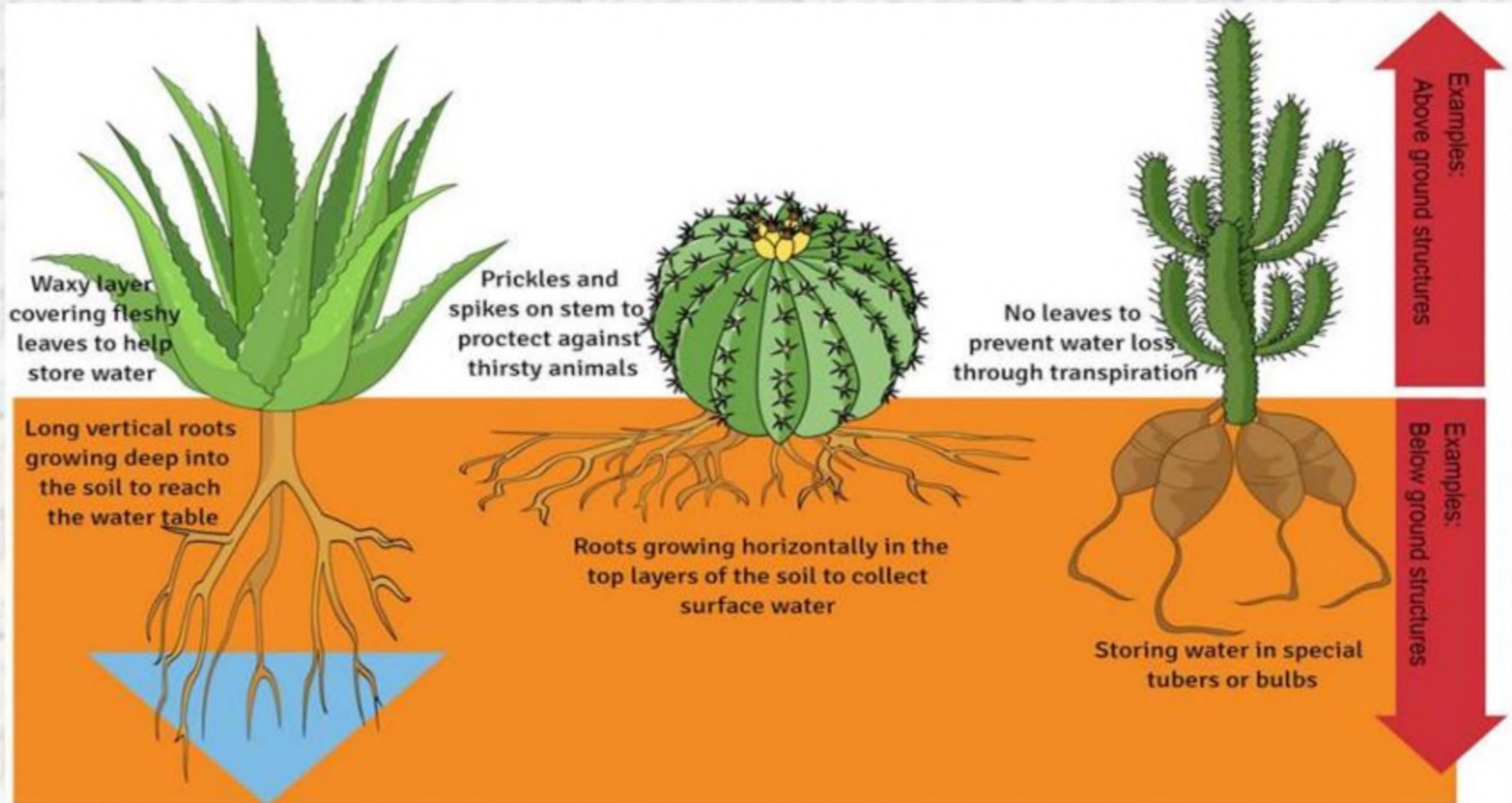
Human
-10/20°
↓
40°-50°C

150
30°C

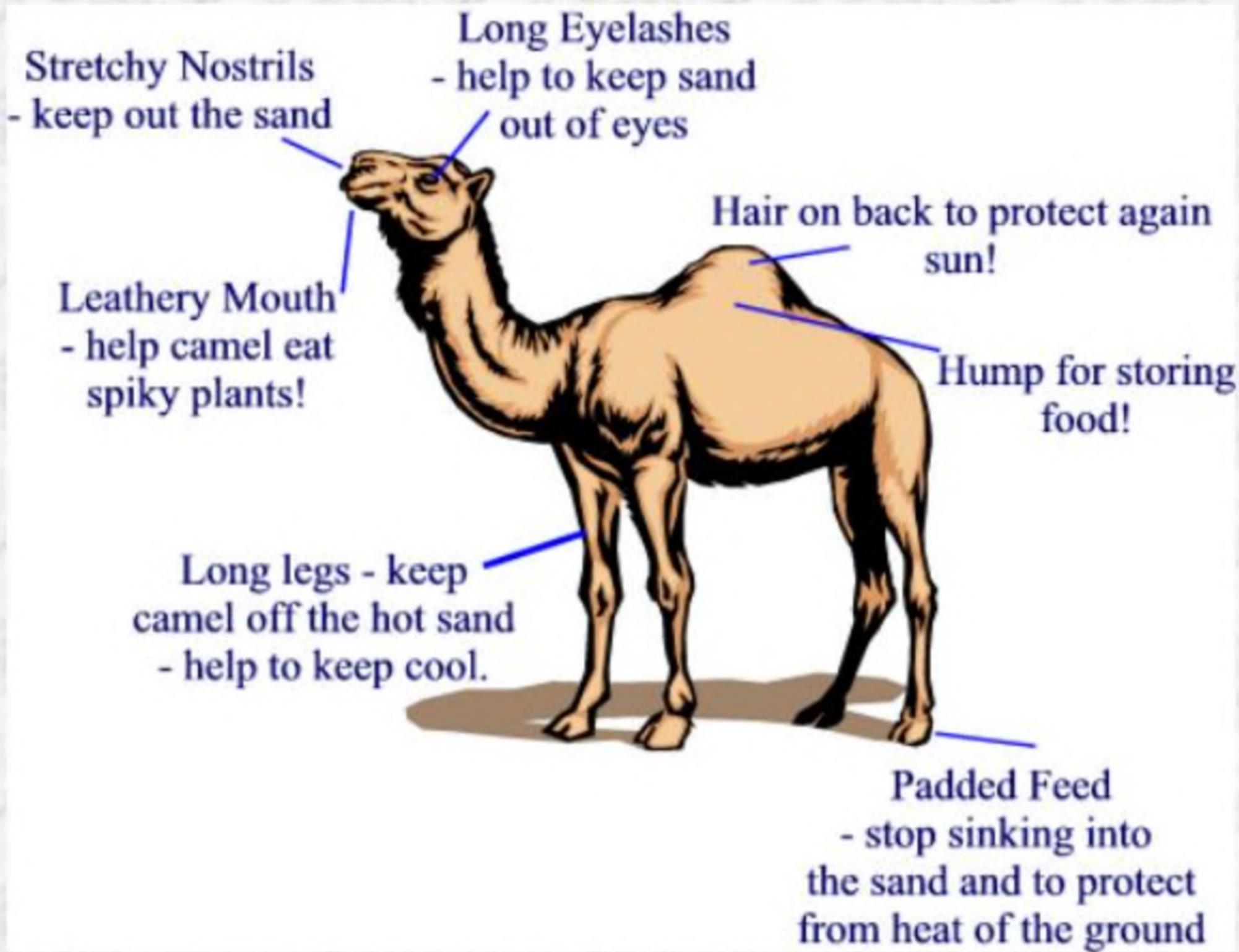
18°-27°C

Coral Reef

उत्पन्निय



UPSC





सारणी 13.1 समष्टियों की पारस्परिक क्रिया

जाति अ	जाति ब	पारस्परिक क्रिया का नाम
+	+	सहोपकारिता
-	-	स्पर्धा
+	-	परभक्षण
+	-	परजीविता
+	0	सहभोजिता (कमन्सेलिज्म)
-	0	अंतरजातीय परजीविता (एमेन्सेलिज्म)

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KHAN GLOBAL STUDIES

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THANKS FOR WATCHING

