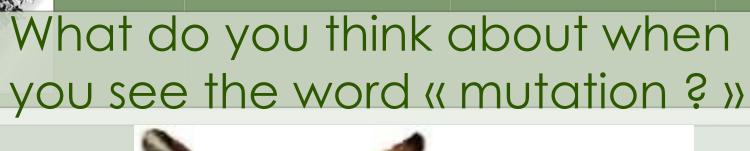


## **Mutations**





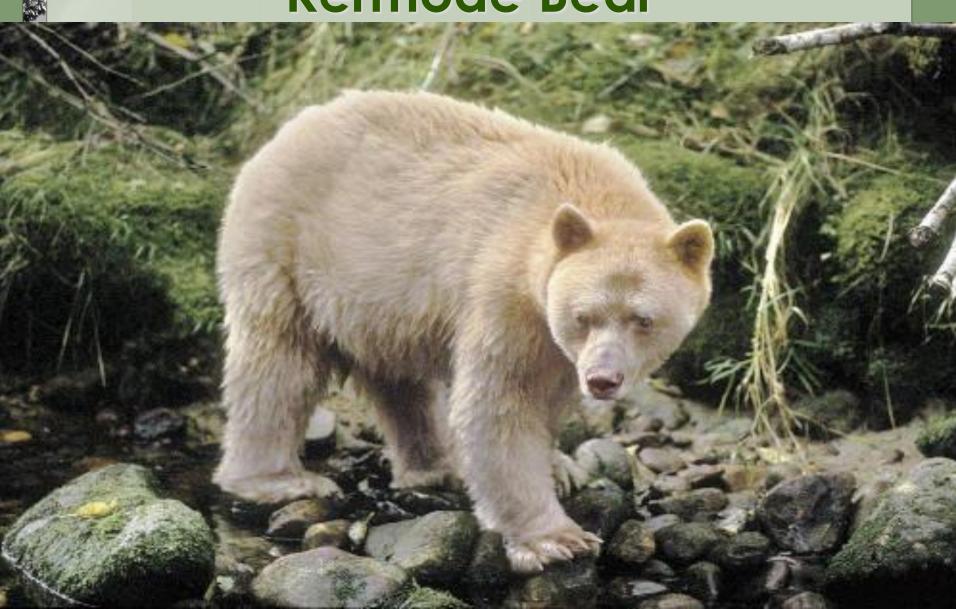






- modification of the cell's genetic baggage
- when the order of bases (i.e. C, G, C and T) being read changes, thus changing the desired protein

## Kermode Bear







- A base is removed, thus changing the order of the sequence.
- A base is added, thus changing the order of the sequence.
- A substitution: one base is replaced by another, thus the sequence stays close to the same



- A mutation that favours an individual
- Ex : People who are resistant to HIV/AIDS



- A mutation that puts an individual at a disadvantage
- Changes of survival/reproduction are reduced
- Ex : Cystic fibrosis



- A mutation that does not affect the individual
- Ex: Kermode Bear's white fur



- sont des substances ou des facteurs qui peuvent causer des mutations dans l'ADN
- Ex: virus biologique (verrues), rayons X, rayons UV, les polluants comme le mercure, etc.