

Physical adaptation



iii) *Chemical defenses* (like venom, ink, sprays)

### Physical adaptations

iV) Body coverings & parts (claws, beaks, feet, armor plates, skulls, teeth)



The elephant's **trunk** is a physical adaptation that helps it to clean itself, eat, drink, and to pick things up.

Now let's learn about  
**Behavioral Adaptations...**



2) Behavioral Adaptations allow animals to  
respond to life needs.

We can divide **Behavioral Adaptations** into two groups:

i) Instinctive



These behaviors  
happen naturally &  
don't have to be  
learned.

ii) Learned



These behaviors  
must be taught.

Instinctive  
behaviors

=

happen naturally & don't  
need to be learned

Examples  
of Instinctive.



Methods of gathering &  
storing food

Defending oneself

Hibernating

Finding shelter

Raising young

Migrating

Learned  
behaviors

=

Obtained by interacting with  
the environment and cannot  
be passed on to the next  
generation except by teaching.




Example of Behavioral


→ Teach an animal trick  
dog to sit


Physical adaptations are body structures.

Some examples of physical adaptations are:

 Camouflage

 Mimicry

 Chemical defenses

 Body coverings & parts

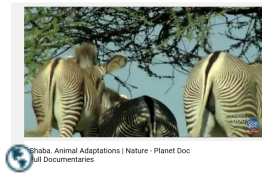
Behavioral Adaptations are animals' actions.

Behavioral Adaptations can be  
Instinctive or Learned.

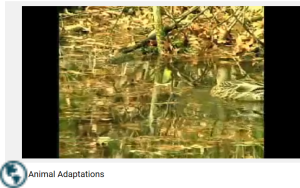




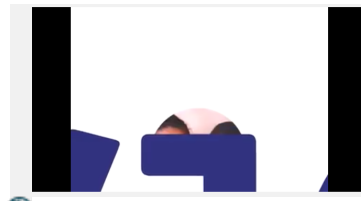
## Videos On Adaptations



Animal Adaptations | Nature - Planet Doc  
Documentaries



Animal Adaptations



Animal Adaptations



Bird Feeding Adaptations: How Beaks are Adapted to What Birds Eat



Biodiversity

## PowerPoint / Smart Notebook

Pick an animal (Not discussed in class)

What adaptations does it have for each of the following?

- \*Moving
- \*Getting and using food
- \*Reacting to its surroundings
- \*staying warm or cool

Where does it live?

What does it eat?

**In Canada, there are more than 250 species of plants and animals at risk of extinction**

**Extinct** - a species that no longer exists anywhere.

**Extirpated** - a species no longer existing in the wild in one area but occurring elsewhere in the world.

**Endangered** - a species that is close to extinction throughout all or a large portion of a specific area.

**Threatened** - a species likely to become endangered if the factors affecting it are not reversed.

**Vulnerable** - a species particularly at risk because of low or declining numbers, or some other reason, but not a threatened species.