

THE BLACK PANTHER

In this packet, sample student answers are provided in red and notes to teacher are in blue.

In this **Explore Your Backyard** activity, students will explore traits that help organisms survive in their environments. They will identify traits that are similar in different organisms.

This activity can be conducted in the field (ideal) or online.

- Have students observe the different organisms in the ecosystem.
- Encourage them to take notes about the organisms they see and the traits passed on from their parents.
- Then have them choose three different organisms to focus on.
- Have them take additional notes in the field about those organisms.
- Finally, have them use their notes to fill out the tables in the packet.





The ecosystem I studied was:
List the organisms you observed in the ecosystem:



Organisms of the same type are similar in many ways. They are different in other ways.

Complete the tables below. List at least three shared traits and three differences between individuals of an organism.

Table 1: My first organism is a Tree

Traits that individuals share	Traits that are different
Leaf shape	Height
Bark	Number of leaves
Leaf color (in fall this could be different too)	Size of trunk

Choose one trait from the table. **Describe** how this helps the organism survive.

Leaves help the tree get sunlight so it can make food.

Roots help the tree get water. The bark protects the tree.



Table 2: My second organism is a Squirrel

Traits that individuals share	Traits that are different
Same shape - Bushy tail	Size
Claws for climbing	Body color
Short legs	How bushy their tail is
Big front teeth	Speed
Big ears	

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Their claws help them climb trees to get food and stay safe.

Their teeth help them bite nuts. Their ears help them hear danger.

Table 3: My third organism is a Duck

Traits that individuals share	Traits that are different
Bill	Size
Wings	Feather color
Short legs	
Webbed feet	

Choose one trait from the table. Describe how this helps the organism survive	Cl	noose	one	trait	from	the	table.	Describ	e ho	w thi	s he	lps	the	organism	survive
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Webbed feet help ducks swim in ponds. They help them eat and move around in water.