






# Al Afaaq School

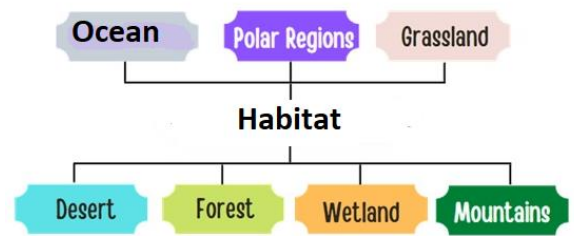
## Grade 3 Science Summary – Lesson 2 – Changes Affect Organisms

Keyword	Definition	Example
<b>Ecosystem</b> النظام البيئي	All the living and nonliving things in an environment.	Fish in the pond, water, plants, air, and sun.
<b>Habitat</b> موطن	The home of an organism.	Trees are the habitat for birds and squirrels.
<b>Flood</b> فيضان	Overflow of water on land	
<b>Drought</b> جفاف	No rain for a long time	
<b>Wildfire</b> <b>(Forest fire)</b> حرائق الغابات	Large dangerous fire that spreads very quickly in the forest.	
<b>Invasive Species</b> الأنواع الغازية	An organism introduced to the environment by humans on purpose or as an accident.	 Cane toad  Lionfish

➤ An **ecosystem** is made up of all the **living** and **nonliving** things in an environment.

- **Living** things grow and reproduce
- **Non-living** things help living things survive

- An ecosystem can have many different **habitats**.



Changes in the ecosystems affect organisms.

- All organisms can change their environment, some in **small ways** and some in **big ways**. Here's some examples:
  - ✓ Small change - plants taking water and nutrients from the soil.
  - ✓ Big change - humans cutting down trees in a forest.
  - **Flood** - overflow of water on land. It can be caused by excessive rain



- **Drought** - No rain for a long time; that causes the land to dry out and no water for the organisms.



- **Wildfire** (forest fire) - a large and dangerous fire that can spread very quickly and destroy the environment. The organisms are forced to run away, find new habitats, or die in the fire.





➤ Humans change the environment in a very big way. Changes to the environment can be good or bad.

- **Good** changes: recycling garbage, picking up litter, planting trees.
- **Bad** changes: cutting down trees, removing plants and soil to build new buildings, pollution of air and water, throwing garbage to land and water
- **Invasive species** are introduced to the environment by humans, and they usually cause harm to other organisms by taking the resources, hunting them or simply taking their habitat from them.

