

Al Afaaq School

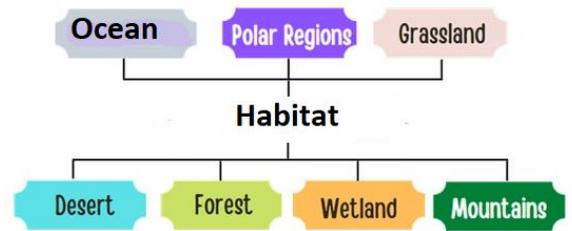
Grade 3 Science Summary – Lesson 2 – Changes Affect Organisms

Keyword	Definition	Example
Ecosystem النظام البيئي	All the living and nonliving things in an environment.	Fish in the pond, water, plants, air, and sun.
Habitat موطن	The home of an organism.	Trees are the habitat for birds and squirrels.
Flood فيضان	Overflow of water on land	
Drought جفاف	No rain for a long time	
Wildfire (Forest fire) حرائق الغابات	Large dangerous fire that spreads very quickly in the forest.	
Invasive Species 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.

