


# Limiting Factors






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“Populations cannot grow indefinitely because the environment contains only so much food, water, living space, and other needed resources. When one or more of those resources becomes scarce, it is said to be a *limiting factor*. For example, food becomes a limiting factor when a population becomes too large for the amount of food available. Any single resource can be a limiting factor.”



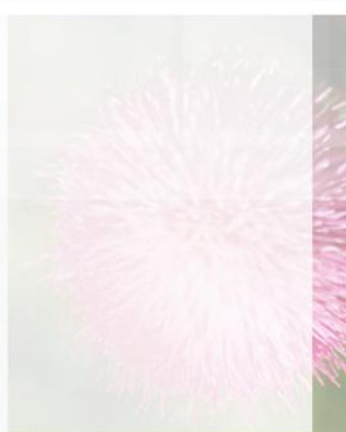
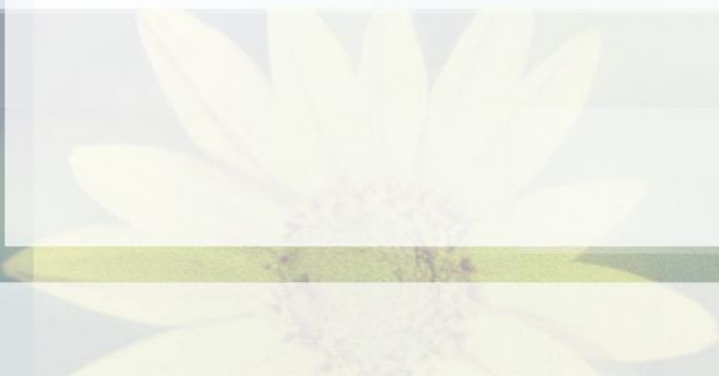
# Limiting Factors

There are many factors which effect the environment. They are divided into two main groups.

They are physical and biological characteristics.

# Physical Factors

1. Energy- comes from the sun and is used by plants for photosynthesis.

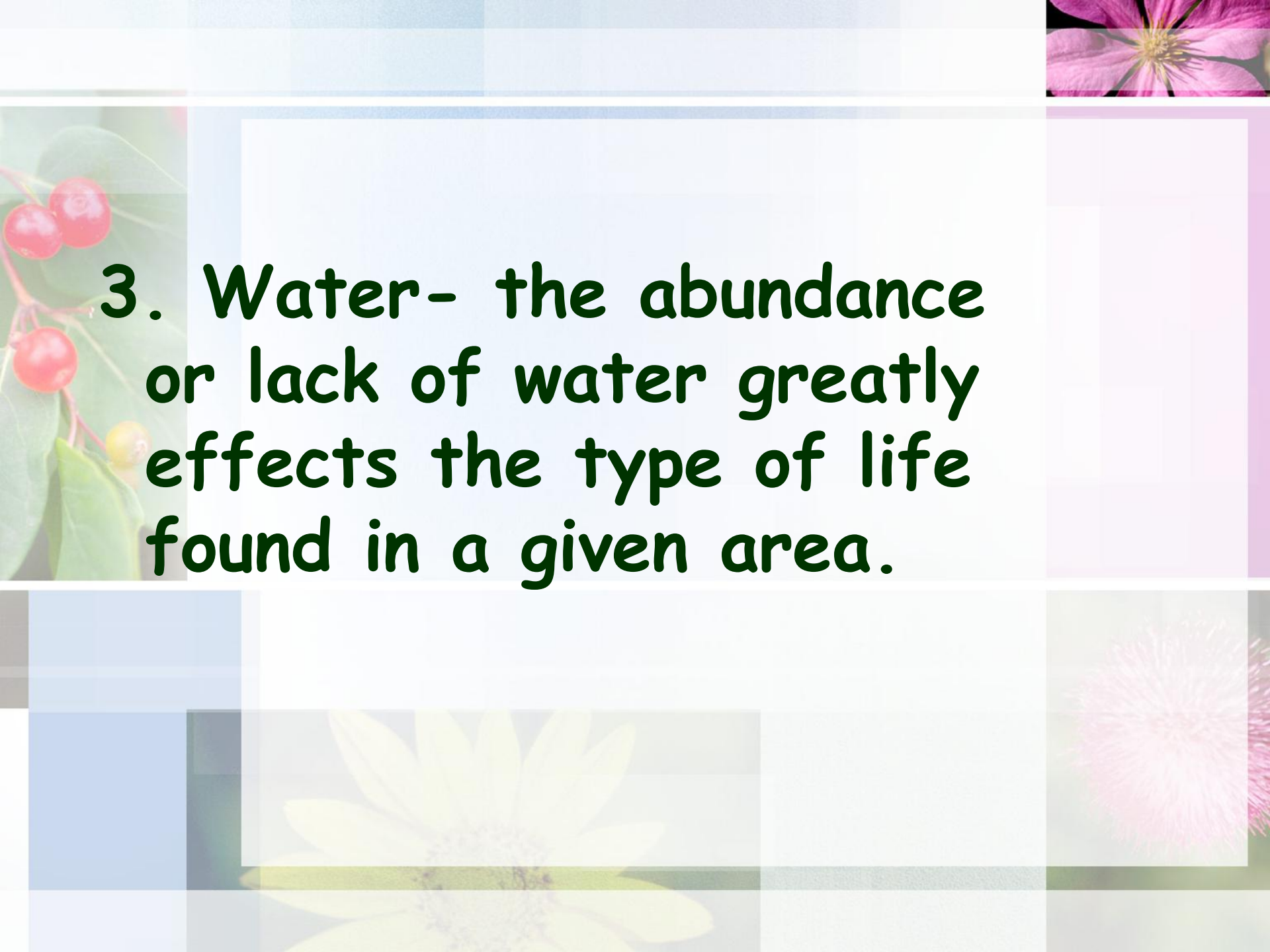






**2. Temperature- changes  
in temperature could  
affect life in a region**



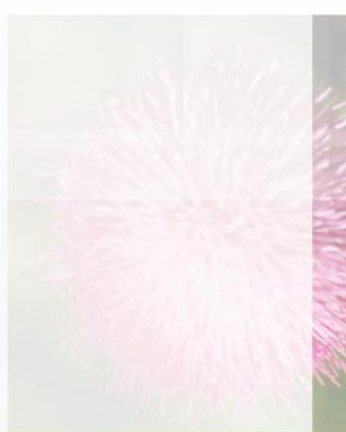
The background features a grid of colored squares in shades of blue, green, and purple. Overlaid on this grid are several nature photographs: a pink flower in the top right, red berries on a branch on the left, a yellow flower at the bottom center, and a pink spiky flower in the bottom right.

**3. Water- the abundance or lack of water greatly effects the type of life found in a given area.**

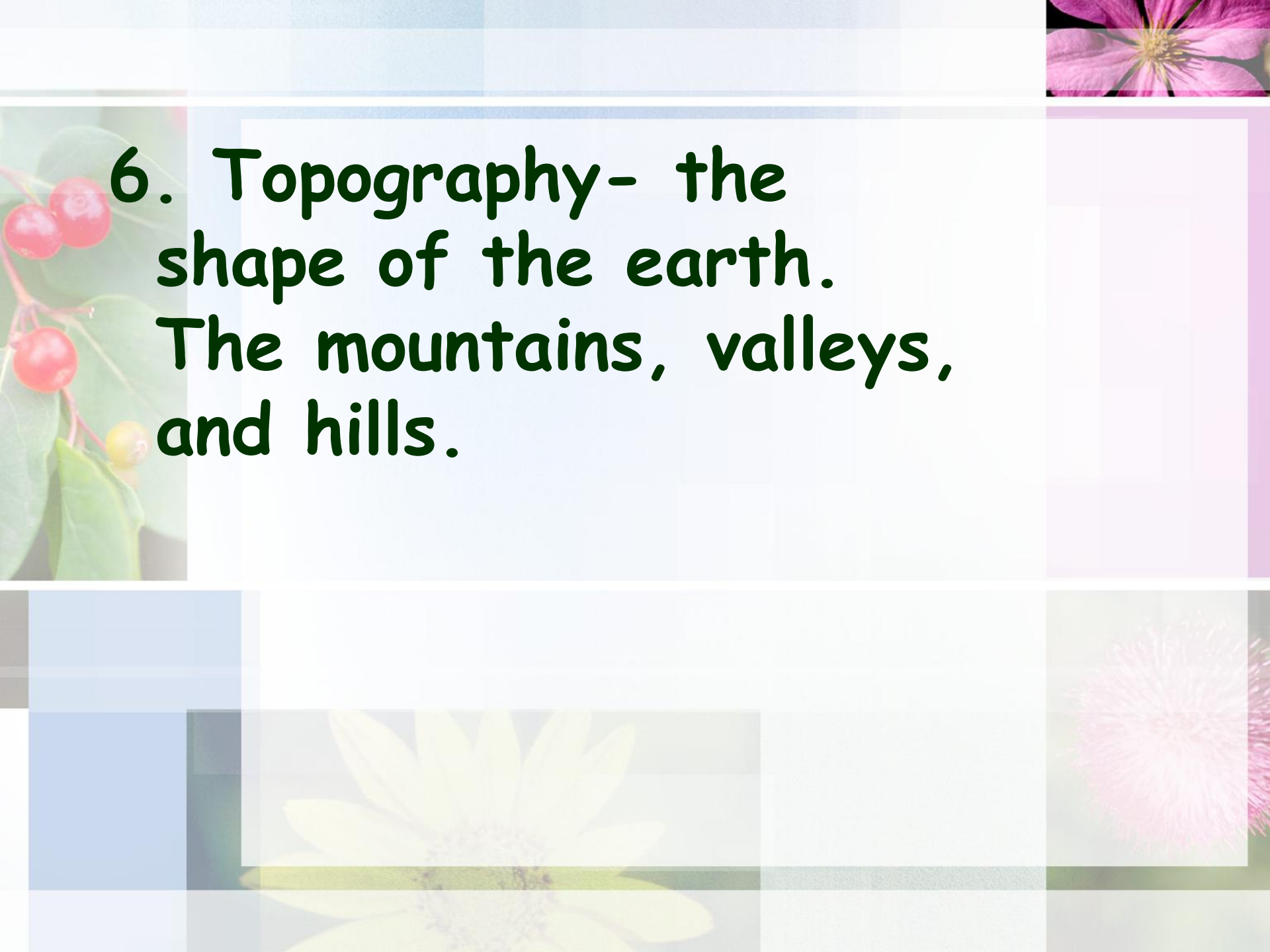
**4. Atmosphere- wind currents  
which will increase or  
decrease the amount of  
rainfall.**



**5. Fire- where fires occur  
fire resistant plants begin  
to take over and also those  
capable of re-planting a  
burned area**







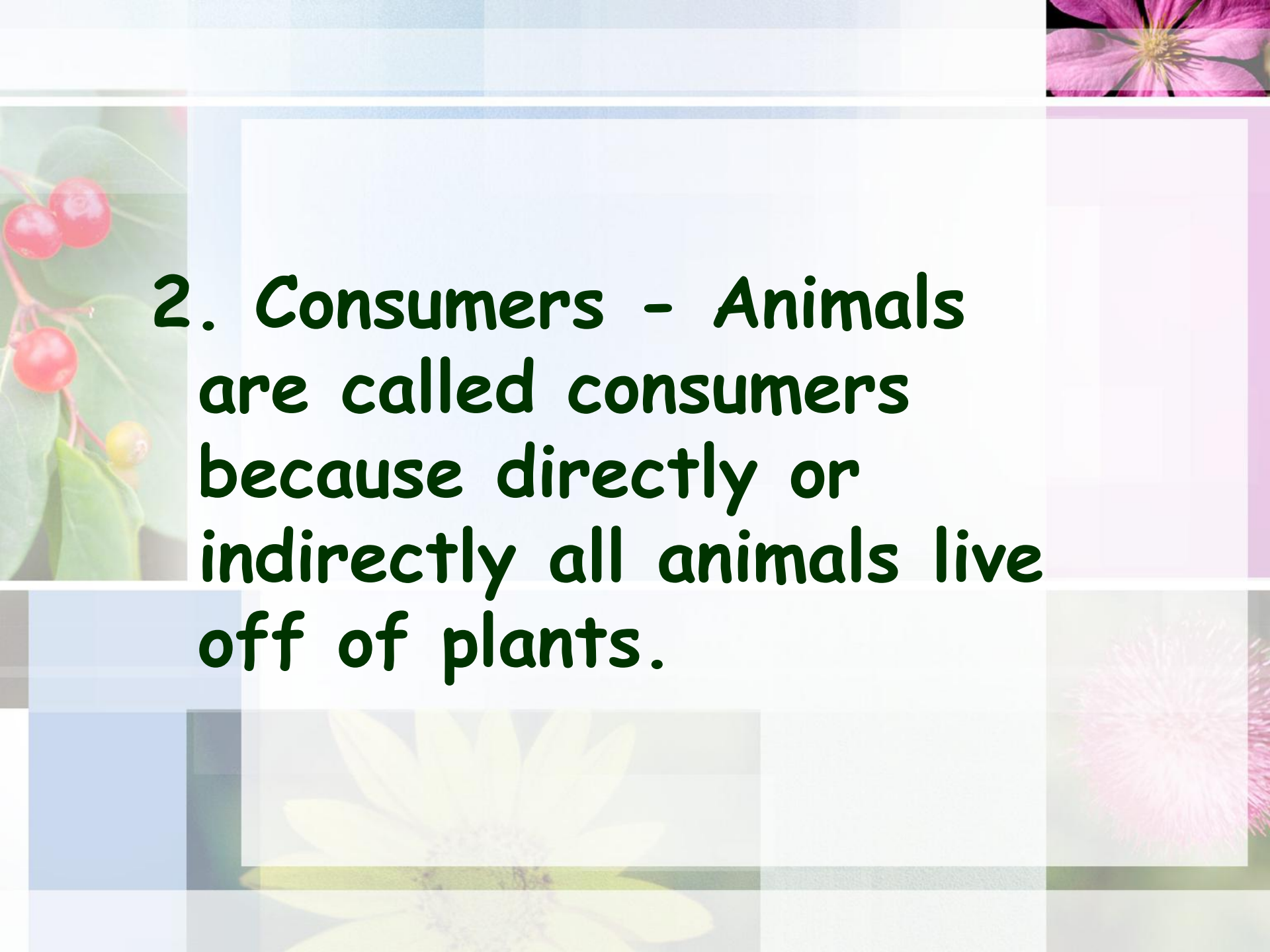
**6. Topography- the  
shape of the earth.  
The mountains, valleys,  
and hills.**



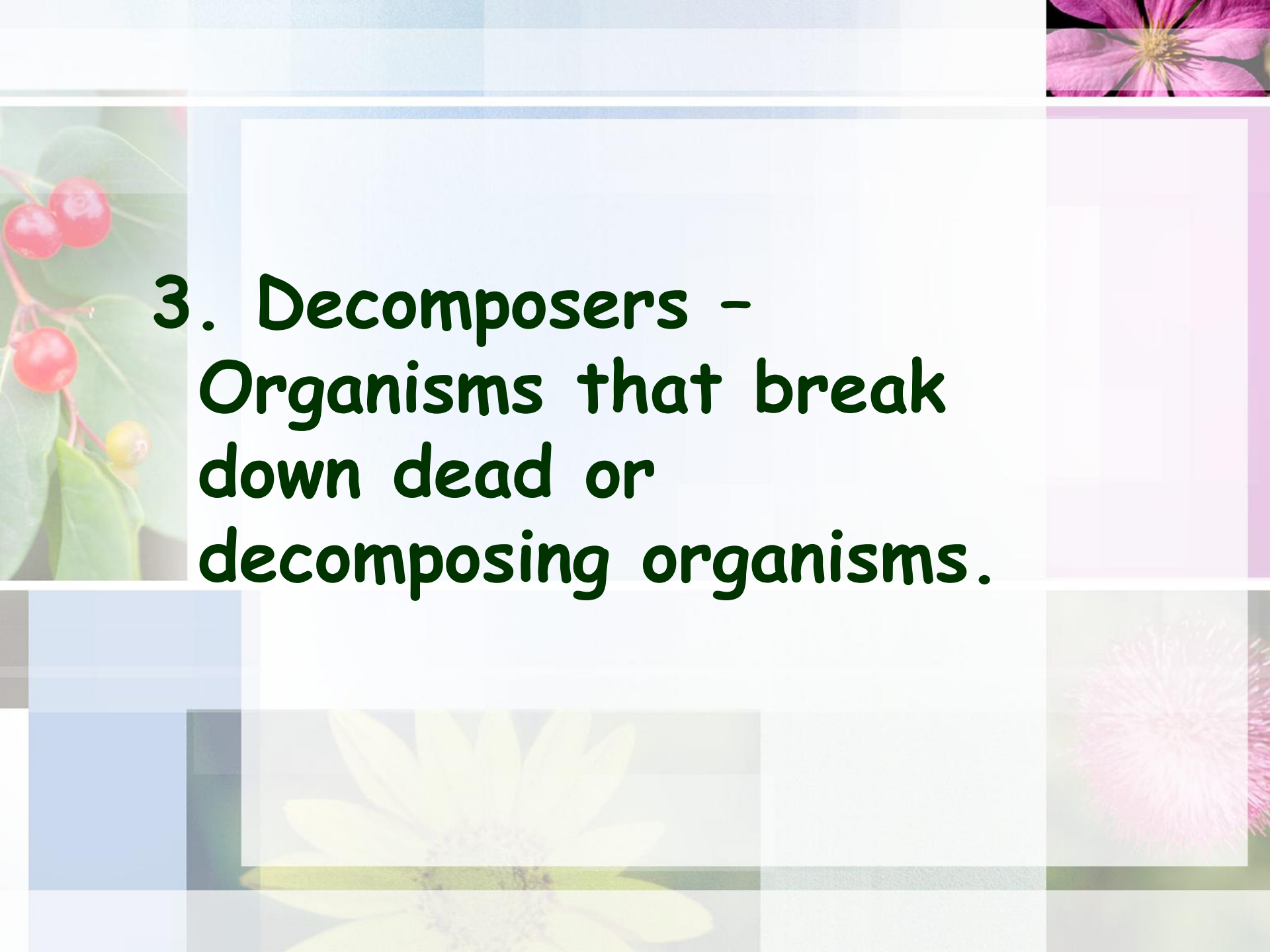
# Biological factors

1. Producers - Green plants take energy from the sun and make food for other living organisms.





**2. Consumers - Animals are called consumers because directly or indirectly all animals live off of plants.**

The background features a grid of colored squares in shades of blue, green, and purple. Several nature photographs are overlaid: a pink flower in the top right, red berries on a green leaf in the middle left, a yellow flower in the bottom center, and a pink spiky flower in the bottom right.

**3. Decomposers -  
Organisms that break  
down dead or  
decomposing organisms.**