

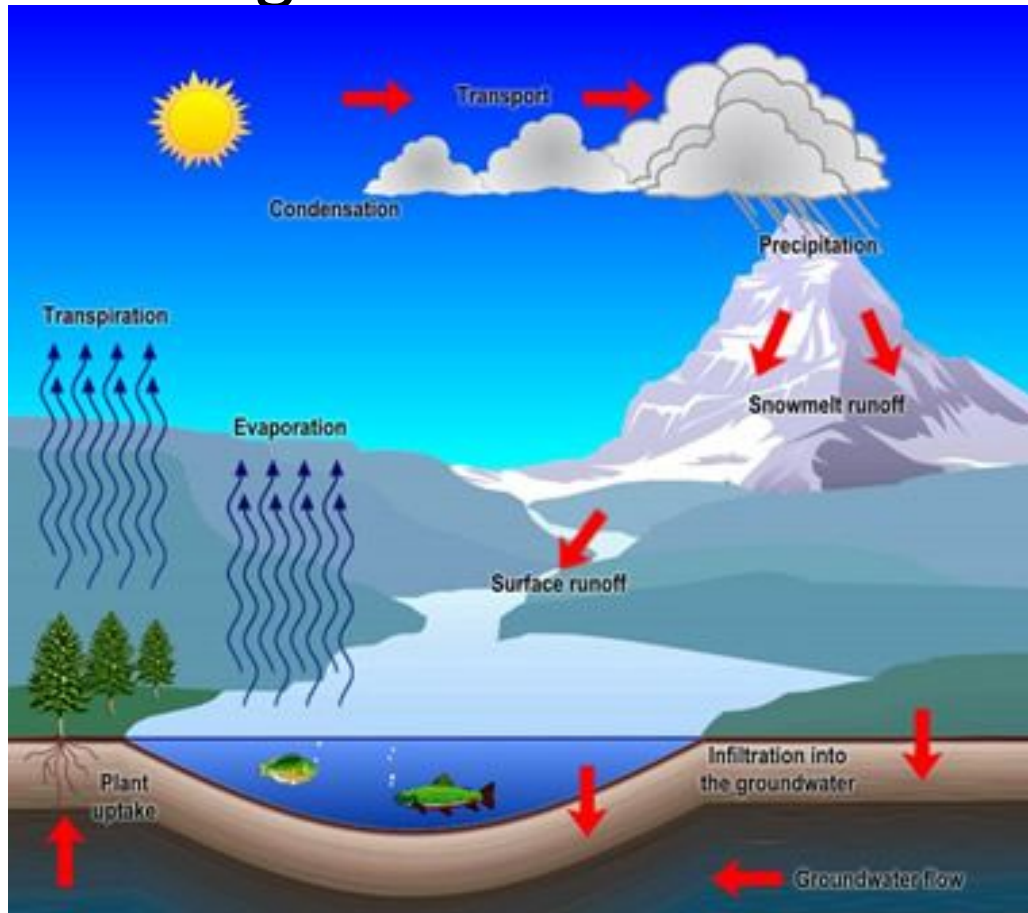
Ecological factors



You will:

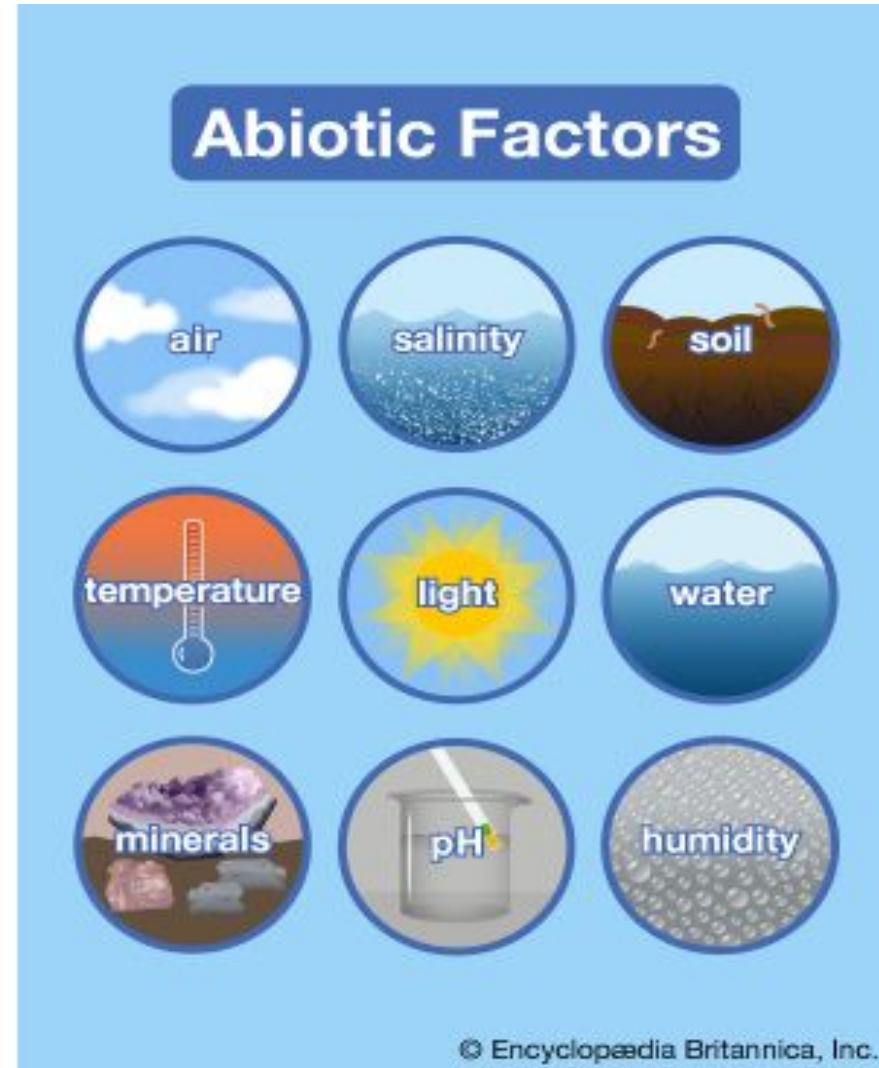
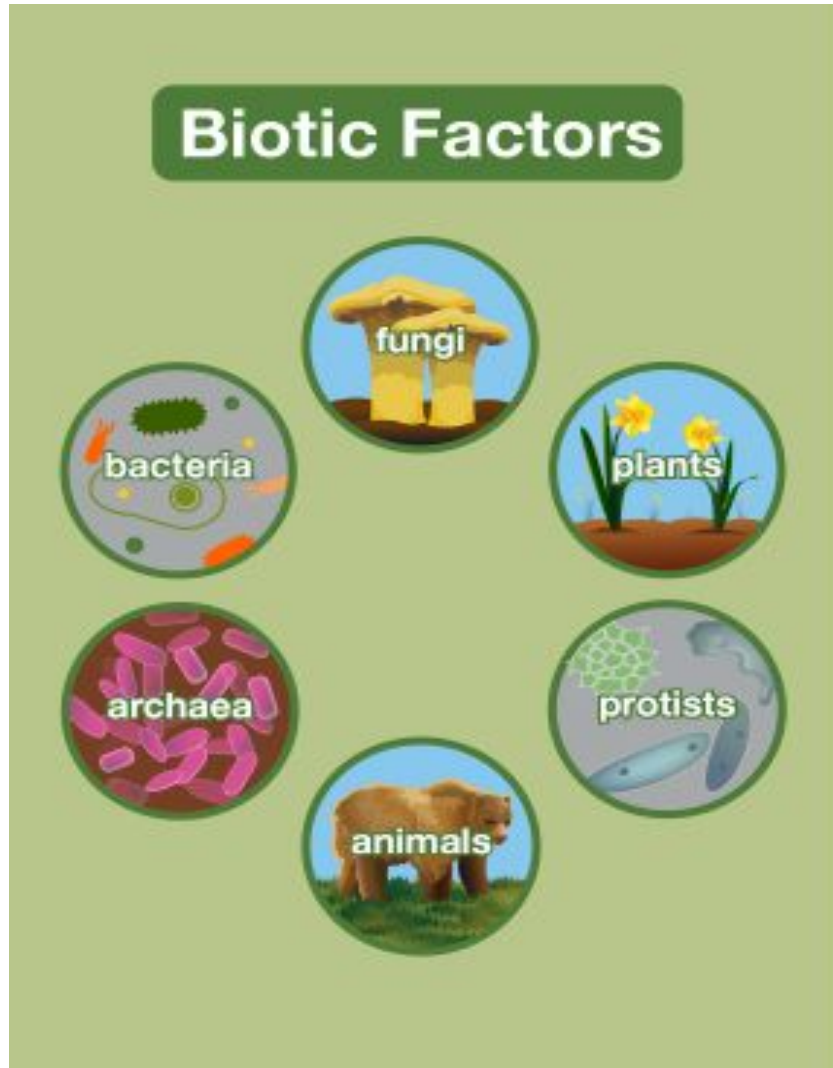
Study the impact of environmental factors on living things

- **Ecology** is a science that studies relationships between living and non-living things.
- **Environment** is the all living and nonliving factors that surround the organism.

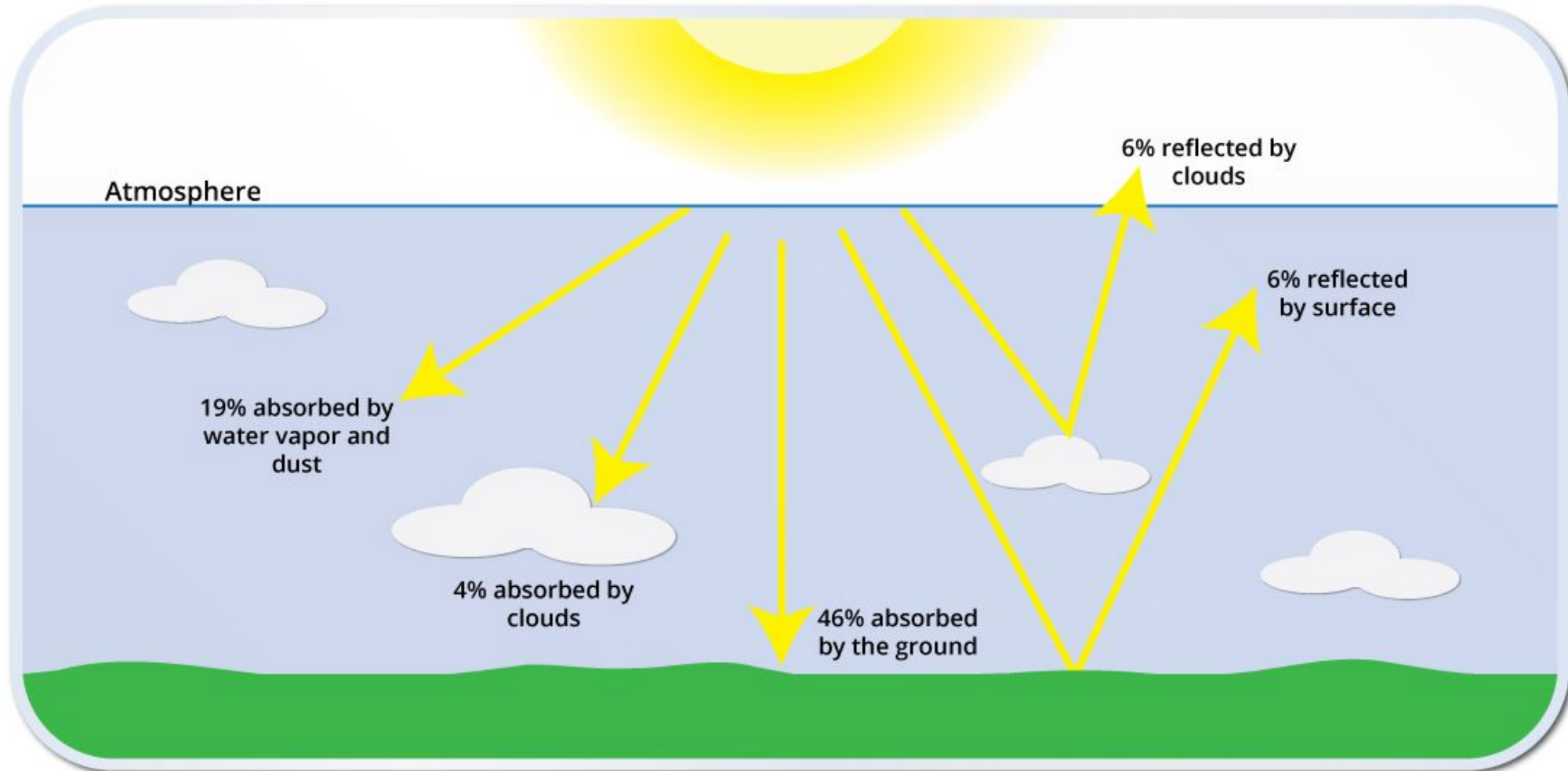


Biological factors

- Nonliving components of the environment are known as **abiotic** components, living components are known as **biotic** components.



Light



- Light is the energy source of all living things. The main source of light on Earth is sunlight.

Temperature



- In cold areas and climates there are less living organisms, while in warm there are many.

Water(H₂O)



- Organisms cannot live without water. Water comes from atmosphere by rain, snow and hails.

Acidity (pH)



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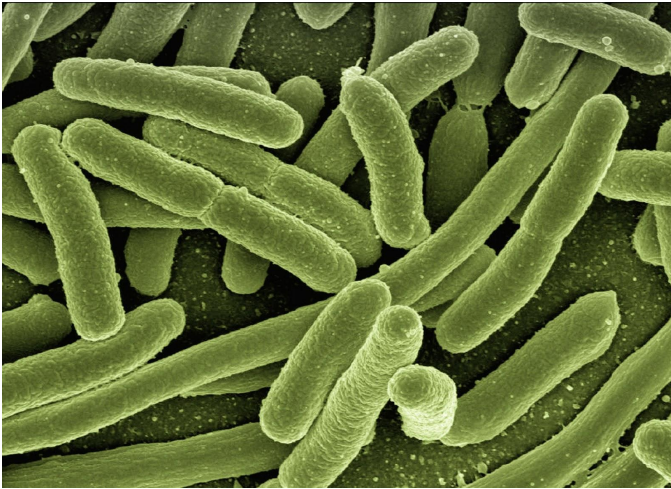
- Soil and water acidity is determined by amount of acids in soil, water or rain. Acidity level is measured by pH.

Biotic factors

- Biotic factors are living organisms and their interactions. Living organisms are very different, some of them are microorganisms, plants and animals.

Microorganisms

Microorganisms are tiny organisms seen only by microscope. They live almost everywhere. Some microorganisms feed on dead organisms.



Plants

Plants are organisms that are usually green. They do not move and grow at one place. Plants make photosynthesis and produce oxygen and food.



Animals

Animals are organisms that eat plants or other animals. They can move. Animals cannot make photosynthesis.



Biotic or Abiotic?



Biotic or Abiotic?



Biotic!

Biotic or Abiotic?



Biotic or Abiotic?



Abiotic

Biotic or Abiotic?



Biotic or Abiotic?



Biotic!

Biotic or Abiotic?

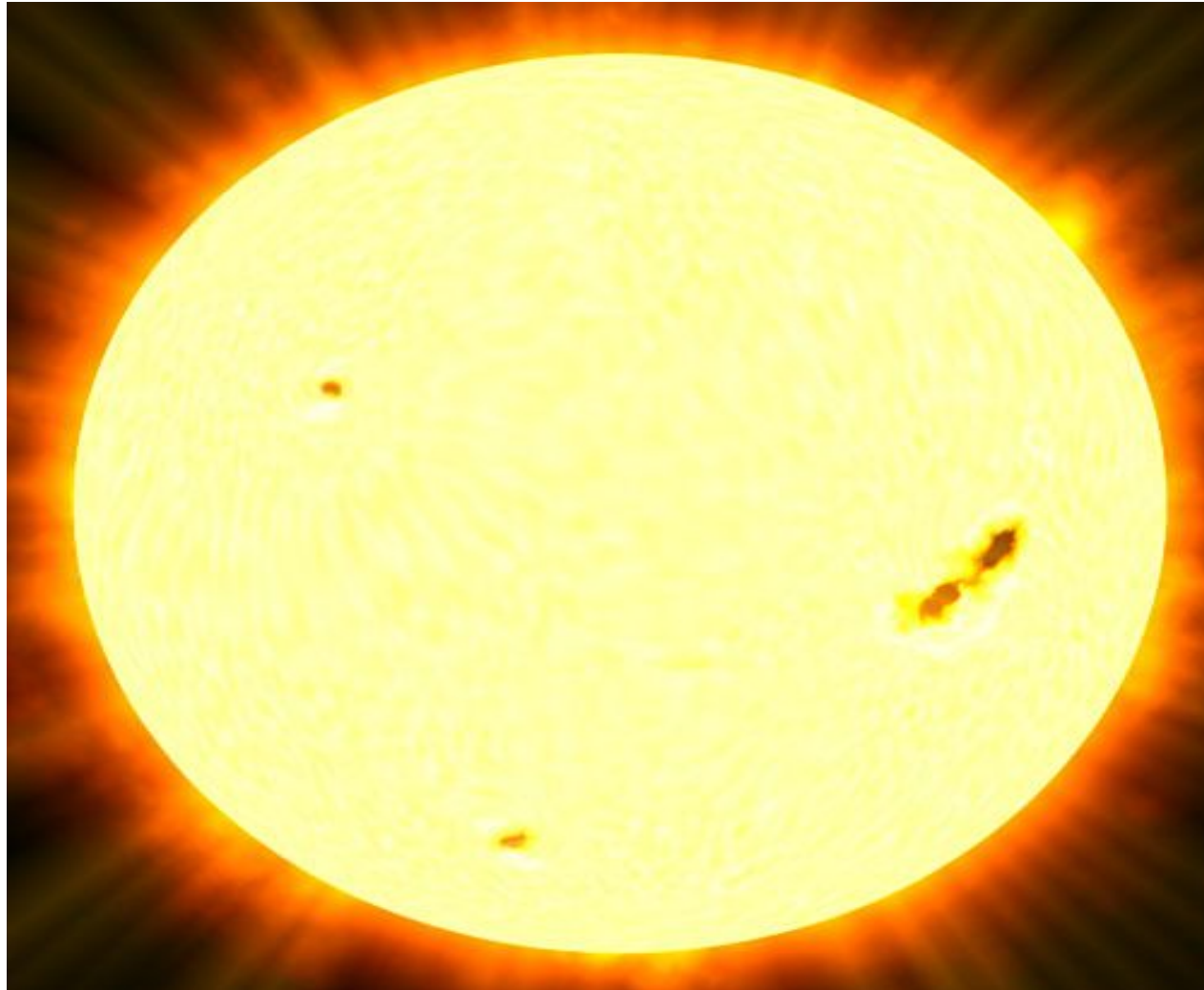


Biotic or Abiotic?

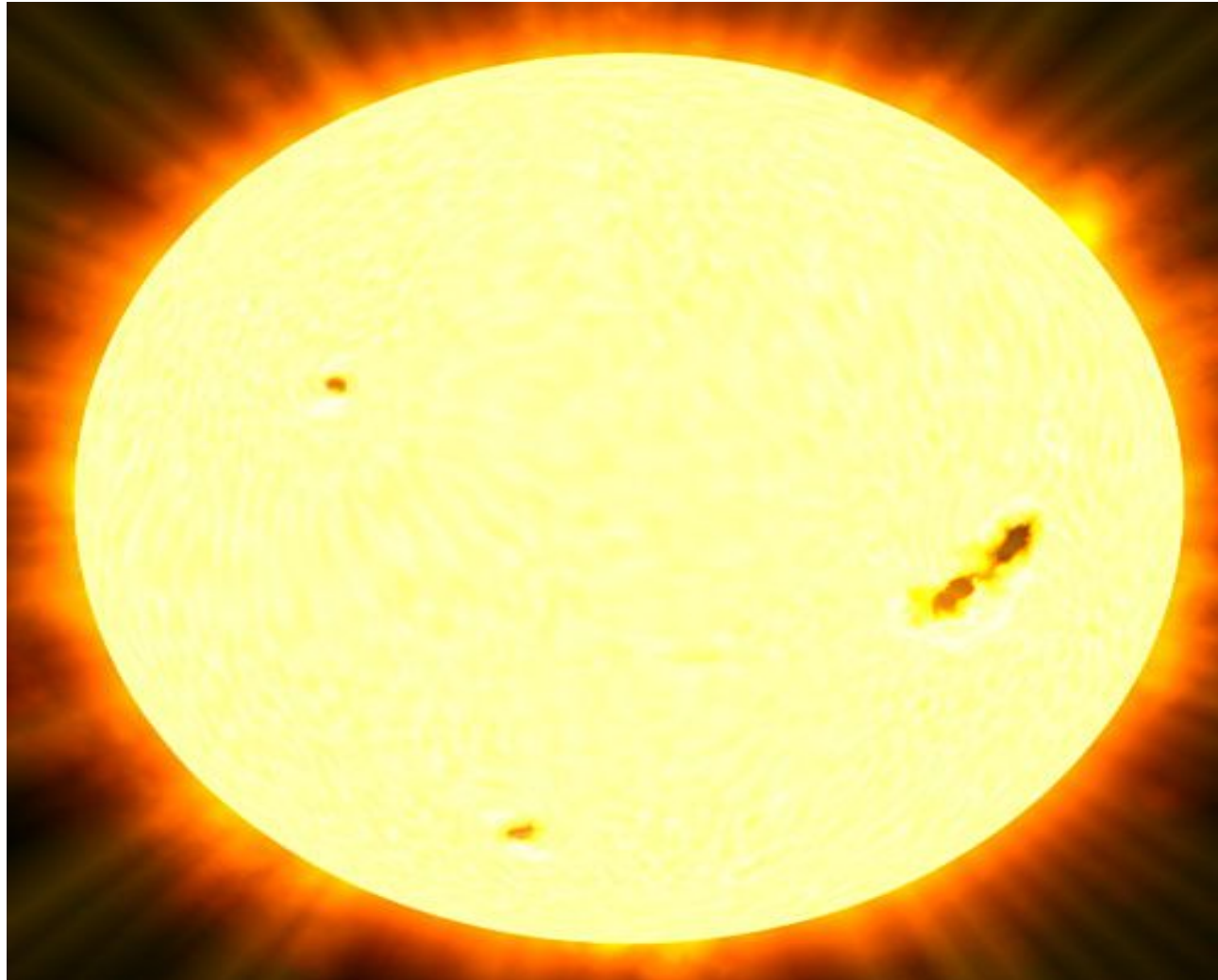


Abiotic

Biotic or Abiotic?



Biotic or Abiotic?



Abiotic