



**1. Listen and complete the text with the following words. Be careful! Some words are missing.**

Resource	Nocturnal	Biocenosis	Waterproof	Seasons	Migrate	Distribution	Diurnal
Habitat	Hibernate	Behaviour	Photosynthesis	Bottom	Maximum	Adaptation	Altitude

**Abiotic factors**

Abiotic factors have an influence on the ..... because:

- Living things have to develop adaptations to adjust to them. An ..... is an adjustment in an organism's body or ..... to its environment.
- They determine the ..... of living things because an organism's habitat depends on having the right abiotic factors.

The main abiotic factors that affect the biocenosis are ....., water and temperature.

**a) Light**

Sunlight is necessary for plants, algae and for photosynthetic bacteria to carry out ..... It also affects animals' habits, for instance:

- Photosynthetic organisms are adapted to capture the ..... possible sunlight; they do not survive in ..... areas such as the ..... of seas and oceans.
- Many animals regulate their activity according to changes in sunlight. Some animals have ..... (night) habits, like bats and others have ..... (day) habits, like human beings.

**b) .....**

Living things carry out their activities at temperatures of up to 50°C.

Temperature varies due to ....., the time of day and the ..... of year.

It has a determining effect on an organism's ....., behaviour and .....

For example:

- Plants reduce their activity in ..... seasons and grow in warm .....
- When it gets cold some animals ..... or .....

**c) The presence of water**

Life is impossible without ..... Water is a limited ..... in land ecosystems, so organisms have adaptations to conserve it.

For example:

- Plants avoid water loss through ..... leaves.
- Animals have developed waterproof ....., like exoskeletons or scales.