

Environmental Change and Indicator Species

What are the environmental changes:

Abiotic (Non Living):

How can we measure these?

- Rainfall - *Rain gauge*
- Light level - *Lux meter*
- pH level (acidity) - *Taking a sample and using an indicator*
- Temperature - *Thermometer*
- Oxygen concentration (in water) - *Oxygen meter*
- Wind - *Anemometer*
- Humidity - *Hygrometer*

Biotic (Living):

- Plants
- Food
- Predators

Indicator Species:

- Lichens - sensitive to SO₂. The more polluted the air, the less types of lichens will grow
- Sludge worms - only live in dirty water
- Water louse - only live in dirty water
- Mayfly lava - only live in clean water

What can these indicators effect?

These indicators can effect what types of plants, animals etc can live in that area. Certain types of areas eg, rainforest or dessert will have different factors and if you are given details on a certain place, you may be able to guess where and what type of habitat it is.