

The atmosphere: the greenhouse effect and energy resources

EST

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Complete this concept review handout and keep it as a record of what you have learned.

Definitions

- The greenhouse effect is _____

- Climate change is _____

- The ozone layer is _____

- Smog is _____

- Wind energy is _____

Factors leading to the intensification of the greenhouse effect

Greenhouse gas	Factors of natural origin	Factors linked to human activity
	<ul style="list-style-type: none"> • Forest fires • Volcanic eruptions • Cellular respiration 	 _____ _____ _____ _____
	<ul style="list-style-type: none"> • Digestion in wild animals • Decomposing plants • Swamps 	 _____ _____ _____ _____ _____
	<ul style="list-style-type: none"> • Bacteria in the soil and oceans 	 _____ _____ _____ _____



EST Some atmospheric contaminants

Contaminant	Consequence
Dust and airborne particles	Respiratory difficulties

EST Thinning of the ozone layer

Description of the ozone molecule (O ₃)	Cause of the thinning of the ozone layer	Ways to combat the thinning of the ozone layer

EST Smog

Formation of tropospheric ozone: _____

Formation of smog: _____

Consequences of smog: _____

Advantages and disadvantages of wind turbines

Advantages
Disadvantages