**Basic Science of Climate Change - Quiz**

**Question 1: (Multiple choice)**

**What is global warming?**

* Any long-term shift in global or regional climate patterns. Most commonly measured as the increase in Earths’ global average surface temperature. In popular usage, it refers to the warming trend observed from the mid-20th century to present
* An increase in the global average surface temperature of the Earth caused through enhancing the greenhouse effect by adding greenhouse gases such as carbon dioxide, methane and nitrous oxide to the atmosphere.
* A short-term shift in regional weather patterns.

**Correct answer:**

* An increase in the global average surface temperature of the Earth caused through enhancing the greenhouse effect by adding greenhouse gases such as carbon dioxide, methane and nitrous oxide to the atmosphere.

**Question 2 (Multiple choice)**

**What is climate change?**

* Any long-term shift in global or regional climate patterns. Most commonly measured as the increase in Earths’ global average surface temperature. In popular usage, it refers to the warming trend observed from the mid-20th century to present
* An increase in the global average surface temperature of the Earth caused through enhancing the greenhouse effect by adding greenhouse gases such as carbon dioxide, methane and nitrous oxide to the atmosphere.
* A short-term shift in regional weather patterns.

**Correct answer:**

* Any long-term shift in global or regional climate patterns. Most commonly measured as the increase in Earths’ global average surface temperature. In popular usage, it refers to the warming trend observed from the mid-20th century to present

**Question 3: (Multiple choice)**

**Which two statements describe climate?**

* Denmark generally has mild winters
* It has been raining all week
* Winters in South Africa are generally dry and cold
* It is a sunny day

**Correct Answer:**

* Denmark generally has mild winters
* Winters in South Africa are generally dry and cold

**Question 4: (Drag and drop)**

**Match the main greenhouse gas produced as a result of the following activities/sources:**

|  |  |
| --- | --- |
| Burning of oil, coal and gas (fossil fuels) | Carbon dioxide |
| Ruminant livestock | Methane |
| Nitrogen fertilisers | Nitrous oxide |
| Aluminium smelting | F-gases |

**Question 5: (Drag and drop)**

**Match the main greenhouse gas produced as a result of the following activities/sources:**

|  |  |
| --- | --- |
| Deforestation | Carbon dioxide |
| Rice paddies | Methane |
| Nylon production | Nitrous oxide |
| Refrigerant gases | F-gases |