**Glossary - Match the correct term to the definition**

**Terms:**

Ozone Troposphere Greenhouse Effect

Acid rain Fossil Fuels Lapse rate

Wind Solar radiation Atmosphere

Urban Heat Island

1………………The transparent, odourless mass of air surrounding earth

2………………. The trapping and build-up of heat in the troposphere near the earth’s surface

3………………. A colourless gas, the product of the reaction between oxygen and the sun’s ultraviolet radiation

4………………. A movement of air from areas of relatively high atmospheric pressure to areas of lower atmospheric pressure

5………………. A phenomenon of urban settlements where relatively warm atmospheric temperatures prevail in the most heavily built-up areas and decrease outward towards the fringes

6………………. Energy received from the sun and on which all life depends

7………………. Precipitation containing excessive amounts of acid formed when oxides of sulphur and nitrogen mix in the atmosphere

8………………. The inner most layer of the atmosphere in which most the earth’s weather occurs.

9………………. Energy sources formed in past geological times from organic materials

10………………. The decline in temperature that occurs with increasing altitude throughout the troposphere.

### Composition of the atmosphere – Match the gas with its description

**Gases**

Oxygen Carbon dioxide Nitrogen

Dust Methane Ozone

Water Vapour Sulphur dioxide & Nitrogen dioxide

1………………Absorbs heat radiated from the earth’s surface. Maintains temperature levels

2………………Contributes to Global Warming

3………………Plays an important role in the growth of plants

4………………Provides the moisture for cloud formation and precipitation

5………………Destroyed by chlorofluorocarbons

6………………Provides the condensation nuclei on which cloud formation depends.

7………………Added to the atmosphere by volcanic eruptions and wind erosion

8………………Mixes with atmospheric moisture to form acid rain. Added to the atmosphere by industrial processes, power generation and car exhaust

9………………A product of photosynthesis, is reduced by the destruction of the world’s forest