



Subject: Science

Class/Section: 8th A/B _____

SECTION - A

Q No. 1 – Mark the correct option. Each question carries 01 mark. Cutting or double option does not award any marks. Use of any chemical would consider wrong answer. (05 marks)

1) Where the 'hole' in the ozone layer was first noticed?

- (A) Africa (C) Antarctica
(B) The Arctic (D) South America

2) Which one of the following pollutants can spread germs that cause diseases?

- (A) farm chemicals (C) leaking oil from oil tankers
(B) Untreated human sewage (D) chemical waste from factories

3) What harm will a 'hole' in the Earth's ozone layer cause?

- (A) The average temperature of the Earth will increase.
(B) The oxygen content of the atmosphere will increase.
(C) Sea levels will rise as the Polar ice caps melt.
(D) More ultra-violet radiation will reach the Earth.

4) Why does deforestation make global warming worse?

- (A) Trees absorb moisture from the soil. (C) Trees take carbon dioxide from the air.
(B) Trees make the landscape look attractive. (D) There will be a shortage of timber.

5) Which of the following is the BEST description of particulates?

- (A) Gases that pollute the air (C) Substances that dirty the air
(B) Soot from chimneys (D) Tiny particles of solid matter in the air

SECTION – B

Q No. 2: Where would you find a catalytic converter?

Q No. 3: What does a catalytic converter do?

Q No. 4: a) Which gas, released when fossil fuels are burned, is also given off when biomass is burned?

b) What is the name of the effect caused by this gas in the upper atmosphere?

c) What effect is this thought to be having on the world's climate?

d) Suggest TWO things humans can do to help reduce this effect.

e) Suggest TWO ways in which cutting down large areas of forest can be harmful to the Earth's atmosphere and climate.

SECTION – C

Q No. 5 – Fill the required column in the table below

Pollutant	Physical properties	Sources	Effects
	Colourless, odourless , poisonous gas		
Oxides of nitrogen			
		Some aerosol sprays foams, refrigerators, freezers, air conditioning units	

Q No. 6 – briefly describe how the earth is becoming warmer and what effects are likely to occur as a result of global warming.

Q No. 7 – List three types of air pollution that can occur indoors.

THE END