

Exercise 30

Passage

Today there are 7,412,778,971 million people in the world. Fifty years ago only about 2,891,349,717 people lived in it. If earth's population were evenly distributed over its land surface, there would be about 550 persons to the square mile. But Earth has vast areas of forest, mountains and desert which are almost totally inhabited. On the other hand, it has great cities each with millions of people living in a few square miles.

To feed the fast growing population of our earth, scientists and planners have to discover new ways to produce more. One possible way is to bring more land not under cultivation. This can be done only in places where there is lot of land not used for productive purposes. In many places there is no longer possible all the arable land is already cultivated. A second way is to make use of new types of seeds to produce more. Already a number of new strains of paddy and wheat have been developed in different parts of the world. Pakistan is one of the countries where a lot of useful work has been done in the field of agriculture research.

Title: Growing Population and Food requirements.

Precis:

In last fifty years world's population have increased from 2,891,349,717 to 7,412,778,971. In uneven distributed land of Earth, people are diversified and mostly are living in cities. To meet the food requirement of growing population Scientists have two possible solutions. either by cultivating more land or by new production techniques. As Pakistan has worked ~~to~~ done in agriculture sector.

The unity of American people had the greatest impact on their ability to complete a successful revolution.

Reading Comprehension Passage: 2

It is very nature of helicopter that is great versatility is found. To begin with, the helicopter is the fulfilment of one of man's earliest and most fantastic dreams. The dream of flying – not just like a bird – but of flying as nothing else flies or has ever flown. To be able to fly straight up and straight down – to fly forward or back or sidewise, or to hover over and spot till the fuel supply is exhausted.

To see how the helicopter can do things that are not possible for the conventional fixed-wing plane, let us first examine how a conventional plane "works". It works by its shape – by the shape of its wing, which deflects air when the plane is in motion. That is possible because air has density and resistance. It reacts to force. The wing is curved and set at an angle to catch the air and push it down; the air, resisting, pushes against the under surface of the wing, giving it some of its lift. At the same time the curved upper surface of the wing exerts suction, tending to create a lack of air at the top of the wing. The air, again resisting, sucks back, and this gives the wing about twice as much lift as the air pressure below the wing. This is what takes place when the wing is pulled forward by propellers or pushed forward by jet blasts. Without the motion the wing has no lift

Q. Where is the great versatility of the helicopter found?

Answer:

As per the author's perception the great versatility of the helicopter is found in the nature

Q. What is the dream of flying

Answer:

The author have expressed the dream of flying as ~~to fly~~ not to fly as an ordinary bird but fly in a way that nothing else ~~fly~~ flies like or ever have flown in the past. To move

in all directions and in the best way until the fuel ends.

Q. What does the wing of the conventional aircraft do?

Answer:

The wing of the conventional aircraft pushes air against the direction of moving plane.

Q. What does the curved upper surface of the wing do?

Answer:

The curved upper surface of the wing exerts suction, tending to create a lack of air at the top of the wing.

Q. What gives the wing twice as much lift?

Answer:

The curved surface upper surface give the wing about twice as much lift as the air pressure below the wing.