Green Airplanes

The next **generation** of airplanes has arrived. They have bigger seats. Their windows are larger. They have more space for **luggage**. And they are coming to an airport near you. These new airplanes, such as the Boeing 787 Dreamliner or Bombardier CSeries, are more comfortable for passengers. They also **benefit** the environment. By using less fuel, they will create less pollution. Airline companies are excited, but scientists wonder if the airplanes' designers could do even more.

The secret to using less fuel is less weight. Therefore, these new planes are **made up of** carbon fiber, a very light but strong plastic. Unlike older planes, they do not contain much heavy metal. As a result, they require 20 to 25 percent less fuel than similarly sized older planes.

By using less fuel, these new airplanes will create less pollution. Because of this, Boeing and Bombardier like to describe their new products as "green airplanes". In a speech in front of 15,000 workers, Boeing president Scott Carson called the Dreamliner the most environmentally friendly aircraft ever built.

Some people, however, are still not **satisfied**. They say that the new airplanes only produce 20 percent less pollution. "We need to go further than that," says transport expert Geoff Hoon. Experts like Hoon hope airlines will one day use only biofuel. Unlike **regular** fuel, made from oil, biofuel is made from plants like corn or sugarcane. Scientists believe that the use of biofuel produces half the carbon dioxide of oil-based fuel.

Some scientists also complain about new airplanes' design. Although they weigh less, the Dreamerliner and CSeries still look like regular planes. And for the last fifty years, the design of airplanes hasn't changed much.

Scientists say that creating planes with a new shape could save much more weight and fuel. One idea is to make planes that look like a very large single wing, Another is to create planes in the shape of a flying saucer, scientists say, would use half the fuel of modern planes.

If you fly on an airplane soon, it won't be a flying saucer, but it may be a new Dreamliner or CSeries. If s, enjoy the **extra** room and big windows. Just don't forget about the air outside.

(biofuel: fuel produced from plant materials, such as corn, or from organic waste, such as animal waste

sugarcare: a tall tropical plant from which sugar is obtained

Complete the sentences with the boldfaced words from the reading.

flying saucer: a type of aircraft shaped like a plate that some people believe carries creatures from another world)

1) Vocabulary check

have to pay \$1,200 extra.

1.	I hate everything I want in life. I feel completely
2.	I lost my pen; do you have a (n) one I can borrow?
3.	Exercising can your health; it helps you lose weight and live longer.
4.	She made a cake in the of an airplane for her son's birthday party.
5.	The seats in the airplane cost \$800. If you want a first-class seat, you will

6. Many cars today waste a lot of fuel, but the next _____ of cars will use less fuel.

7.	7. The bus driver told theto sit	down while the bus	s was moving.
8.	8. Carbon dioxide is a gas that is	_ carbon and oxyg	en.
9.	9. My flight was late, and my luggage was lost. company.	I'm going to	to the airline
10	10. I usually pack only one small bag when I trav	el. I don't like to ca	rry a lot of
	·		
2) Co	Comprehension check		
Circle	le the letter of the correct answer to complete ea	ich sentence.	
	1. The new generation of airplanes can carry m		
	a. luggage		
	b. passengers		
	c. biofuel		
2.	Carbon fiber is beneficial because it	less than heavy	/ metal.
	a. costs		
	b. breaks		
	c. weighs		
3.	3. Airline companies are excited about the new	airplanes because	they
	a. look like very large single wings		
	b. use less fuel		
	c. cost more to build		
4.	 The Dreamliner is a "green" airplane because a. Is very comfortable 	e it	_•
	b. produces less air pollution than older airpla		
	c. uses biofuel instead of regular fuel		
5.	5. Some are not happy with the ne	w generation of air	planes.
	a. Boeing workers		
	b. passengers		
	c. transport experts		
6. If the	their design changes, future airplanes may not r	need	in order to fly.
	a. two wings		
	b. fuel		
	c. carbon fiber		
3) Co	Complete the summary of "Green Airplanes." Do	not look back at the	reading. There is more
than c	one way to complete some of the sentences. You	ou do not need to ι	ise the same words as in
the re	reading, but make sure the meaning is the same	-	
	New airlines such as the Boeing Dreamline	er are made of spe	cial (1)
such a	h as carbon fiber. This reduces the airplanes' (2)	-	· ·
	ut 20 to 25 percent less (3), and they		•
polluti	ution. Passengers will like the airplanes because But some people are not (6)	they are comfortat	ole and have large (5)
	lanes to use (7), which is made		•

(8)	of airplanes. One suggestion is to create a plane in the shape of a (9)			
	In the future, airplanes may look very (10)	from the way they look		
today.				