

Class 6 Subject English

Chapter-04

An Indian-American Women in Space

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A. Answer the following questions.

1. Where was Kalpana Chawla born? Why is she called an Indian – American?

Ans: Kalpana Chawla was born in Karnal, a district of state Haryana. Though she was born and brought up in India. After she went to US she became its naturalised citizen. This is the reason why She was called an Indian-American

2. When and why did she go to the U.S.? Who did she marry?

Ans: She went to US for a master's degree after completing her Bachelor of Science degree in aeronautical engineering. There she married flight instructor Jean-Pierre Harrison.

3. How did she become an astronaut? What gave her the idea that she could be an astronaut?

Ans: After qualifying as a pilot, Chawla applied to NASA space shuttle program. She was first hired as a research Scientist at NASA. In 1994 she was selected at NASA for training as an astronaut. It was her success as a pilot which gave her the idea that she could become an astronaut.

4. What abilities must an astronaut have, according to the journalist?

Ans: According to the journalist, it takes enormous ability to be an astronaut. An astronaut must know a lot about everything, from biology to astrophysics to aeronautical engineering. In this age of super-specialisation, you must have encyclopedic knowledge to be an astronaut.

5. Describe Kalpana Chawla's first mission in space.

Ans: Kalpana Chawla's first mission was in the space shuttle Columbia. It was a 15 days, 16 hours and 34 minutes. During this time, she went around the earth 252 times traveling 1.45 million km. The crew performed experiments such as pollinating plants to observe food

growth in space. It also made test for making stronger metals and faster computer chips. It was all done for a price tag of 56 million dollars.

6. What does Kalpana Chawla say about pursuing a dream? Do you agree with her that success is possible?

Ans: Kalpana Chawla said, "The path from dreams to success does exist. May you have the vision to find it, and the courage to get onto it....".

Yes, success is possible. If a person has the strong will power, determination, guts to face the challenges that come while chasing ones dream, then everything is possible.

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B. Read the newspaper report to find the following facts about the Columbia's ill-fated voyage.

1. Date and place of lift off: _____

Ans: 16th January, 2003; Kennedy Space Center, Florida

2. Number of astronauts on board: _____

Ans: 7 (Seven)

3. Number of days it stayed in space: _____

Ans: 16 Days

4. Number of experiments done by scientists: _____

Ans: 80 experiments

5. Date of return journey: _____

Ans: Saturday, 1st February, 2003

6. Height at which it lost contact: _____

Ans: 200,000 feet

Working with Language

A. Match the Following:

1. unprecedented space tragedy	(a) something that causes feelings of respect and wonder
2. certified flight instructor	(b) having knowledge of a wide variety of subjects
3. space mission	(c) nowadays, in these times
4. super specialisation	(d) a set of jobs to be done in space by a group
5. encyclopedic knowledge	(e) a person with the correct qualification to teach people to fly planes
6. awe-inspiring	(f) a sad accident of a kind that has never happened before in space
7. in this age	(g) great expertise in a limited field or a particular subject

Ans: (A):

1. unprecedented space tragedy	(f) a sad accident of a kind that has never happened before in space
2. certified flight instructor	(e) a person with the correct qualification to teach people to fly planes
3. space mission	(d) a set of jobs to be done in space by a group
4. super specialisation	(g) great expertise in a limited field or a particular subject
5. encyclopedic knowledge	(b) having knowledge of a wide variety of subjects
6. awe-inspiring	(a) something that causes feelings of respect and wonder
7. in this age	(c) nowadays, in these times

B. Use these phrases in sentences of your own, after finding out their meanings.

1. broke apart

Ans: break violently - The laptop broke apart when it slipped from the hands.

2. streaked over

Ans: went over it quickly: A meteor streaked over cloud in the night.

3. spread across

Ans: Distributed over a given area: Pollution is spread across the world.

4. lifted off

Ans: Start flying: Pilot finally lifted off the aeroplane.

5. blast off

Ans: Take off: The rocket blasted off yesterday.

6. went on

Ans: To continue: He went on reciting his poems.

7. cheered along

Ans: Encourage: Audience cheered along for their favourite participant.

8. on board

Ans: Participation: Children were on board for the picnic.

9. carry on

Ans: Continue: Scientists carried on their research work.

C. We add 'un-' to make opposites.

For example, true — untrue.

Add 'un'- to the words below to make their opposites. Then look up the meanings of the words you have formed in the dictionary.

1. identified _____

Ans: Unidentified

2. controlled _____

Ans: Uncontrolled

3. attended _____

Ans: Unattended

4. successful _____

Ans: Unsuccessful

5. important _____

Ans: Unimportant

6. educated _____

Ans: Uneducated

7. interesting _____

Ans: Uninteresting

8. qualified _____

Ans: Unqualified

9. trained _____

Ans: Untrained

10. answerable _____

Ans: Unanswerable

Writing

Given below are some words that are spelt differently in British and American English.

Fill in the blanks accordingly.

British	American
1. colour	
2.	labor
3.	traveler

4. counsellor	
5. centre	
6.	theater
7.	organize
8. realise	
9.	defense
10. offence	

Ans:

British	American
1. colour	<u>color</u>
2. <u>labour</u>	labor
3. <u>traveller</u>	traveler
4. counsellor	<u>counselor</u>
5. centre	<u>center</u>
6. <u>theatre</u>	theater
7. <u>organise</u>	organize
8. realise	<u>r_ealize</u>
9. <u>defence</u>	defense
10. offence	<u>offense</u>

BEAUTY

Page No: 55 Working with Poem

1. The poet says, "Beauty is heard in ..."

Can you hear beauty? Add a sound that you think is beautiful to the sounds the poet thinks are beautiful.

The poet, Shelley, said:

Heard melodies are sweet,

But those unheard are sweeter.

What do you think this means? Have you ever 'heard' a song in your head, long after the song was sung or played?

Ans: The chirping of birds is also beautiful.

The poet says that when we hear melodies, we find it sweet but after hearing those melodies when we imagine about melodies i.e., unheard melodies we found it sweeter than the original melody itself.

Yes, sometimes I heard long after the song was sung or played. After coming back from the movie hall the songs are heard again and again.

2. Read the first and second stanzas of the poem again. Note the following phrases.

corn growing, people working or dancing, wind sighing,

rain falling, a singer chanting

These could be written as

- corn that is growing
- people who are working or dancing

Can you rewrite the other phrases like this? Why do you think the poet uses the shorter phrases?

Ans: wind that is sighing

rain that is falling

a singer who is chanting

The poet uses the shorter phrases to enhance its beauty. He wants to give importance to each part of Nature.

Worksheet 01
An Indian American Women in Space

1. Who opposed Kalpana's going to U.S. for her master's degree?
2. What did Kalpana Chawla study in the United States of America?
3. Why lifting off Columbia a proud moment for India?
4. Who all cheered Kalpana Chawla when the Columbia lifted off?
5. What abilities must an astronaut have, according to the journalist? Write your answer in the context of An Indian American Women in Space.
6. How did Kalpana Chawla become an astronaut? What gave her the idea that she could be an astronaut?
7. What happened to Columbia's 28th space flight?
8. **Read the following extract and answer the questions that follow choosing the best option from among the given ones.**

After a Bachelor of Science degree in aeronautical engineering, against great opposition from her father, she went for a master's degree to the United States of America. She later earned her Ph.D. in aerospace engineering. Kalpana Chawla was the first Indian-American woman astronaut to blast off from the launch pad at cape Canaveral, Florida,

- i. This passage is about
 - a. an Indian woman
 - b. Florida
 - c. engineering
 - d. Kalpana Chawla
- ii. Kalpana Chawla went to America
 - a. with her father's permission
 - b. against her father's wishes
 - c. to oppose her father

- d. to blast off from Florida
- iii. Kalpana Chawla was
 - a. a professor who taught in America
 - b. an engineer who worked in a factory
 - c. an astronaut who went in space
 - d. a patriot who served India
- iv. Kalpana the astronaut who flew into space was
 - a. the first Indian woman to do so
 - b. the first American woman to do so
 - c. the first Indian-American woman to do so
 - d. the first woman in the world to do
- v. The word 'launch' means the same as
 - a. start
 - b. fly
 - c. flow
 - d. lunch

Worksheet 01
An Indian American Women in Space

Solution

1. Kalpana's father opposed her going to U.S. for a master's degree.
2. Kalpana Chawla did her master's degree from the United States Of America and later she did her Ph.D.in aerospace engineering.
3. The lifting off Columbia was a proud moment because Kalpana Chawla was born in India. Her achievements were unbelievable as an astronaut. She was a small-town girl and achieved a lot.
4. The Columbia lifted off from the launch pad at Cape Canaveral, Florida. Kalpana Chawla's family from India cheered along with staff at the Kennedy Space Centre.
5. According to the journalist, it takes enormous ability to be an astronaut. An astronaut must know a lot about everything, from biology to astrophysics to aeronautical engineering. In this age of super-specialisation, you must have encyclopedic knowledge to be an astronaut.
6. After qualifying as a pilot, Chawla applied to NASA space shuttle program. She was first hired as a Research Scientist at NASA. In 1994 she was selected at NASA for training as an astronaut. It was her success as a pilot which gave her the idea that she could become an astronaut.
7. The Columbia's 28th space flight was lifted off on 16th January, 2003 from the Kennedy Space Centre, Florida. It stayed in orbit for 16 days before it began its downward journey which resulted in a tragedy.
8.
 - i. (d)
 - ii. (b)
 - iii. (c)
 - iv. (c)
 - v. (a)