

Working with the Text

Question A:

Answer the following questions.

1. Where was Kalpana Chawla born? Why is she called an Indian -American?
2. When and why did she go to the U.S.? Who did she marry?
3. How did she become an astronaut? What gave her the idea that she could be an astronaut?
4. What abilities must an astronaut have, according to the journalist?
5. Describe Kalpana Chawla's first mission in space.
6. What does Kalpana Chawla say about pursuing a dream? Do you agree with her that success is possible?

Solution A:

1. Kalpana Chawla was born at Karnal, in Haryana. She was born in India but married to an American and became a naturalised citizen. That is why, she is called an Indian American.
2. After completing her bachelor degree in aeronautical engineering, she went to the U.S. for master degree in aeronautical engineering. She married to an American, Jean-Pierre Harrison, who was a flight instructor.
3. After completing her bachelor degree in aeronautical engineering, she went to the U.S. for master degree in aeronautical engineering. She earned her Ph.D. in aerospace engineering and was selected by NASA for training as an astronaut in 1994. People around her always encouraged to become what she wanted.
4. An astronaut should have a lots of knowledge about aeronautical engineering and biology.
5. Kalpana Chawla's first space mission in the space shuttle Columbia, was 15 days, 16 hours and 34 minutes long. During this time she went around the earth 252 times, travelling 10.45 million kilometres. Among her colleagues were a Japanese and a Ukrainian astronauts. They performed so many experiments.
6. Kalpana said, "The path from dreams to success does exist. May you have the vision to find it, the courage to get onto it Wishing you a great journey." Yes, I do agree with her. If we make a goal and work hard for the same, later or sooner, we will definitely achieve it.

Question B:

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

1. Date and place of lift off: _____
2. Number of astronauts on board: _____
3. Number of days it stayed in space: _____
4. Number of experiments done by scientists: _____

5. Date of return journey: _____

6. Height at which it lost contact: _____

Solution B:

1. Date and place of lift off: 16 January 2003

2. Number of astronauts on board: 7

3. Number of days it stayed in space: About 16 days (15 days, 16 hours & 34 minutes)

4. Number of experiments done by scientists: 80 experiments

5. Date of return journey: 1 February 2003

6. Height at which it lost contact: 200,000 feet

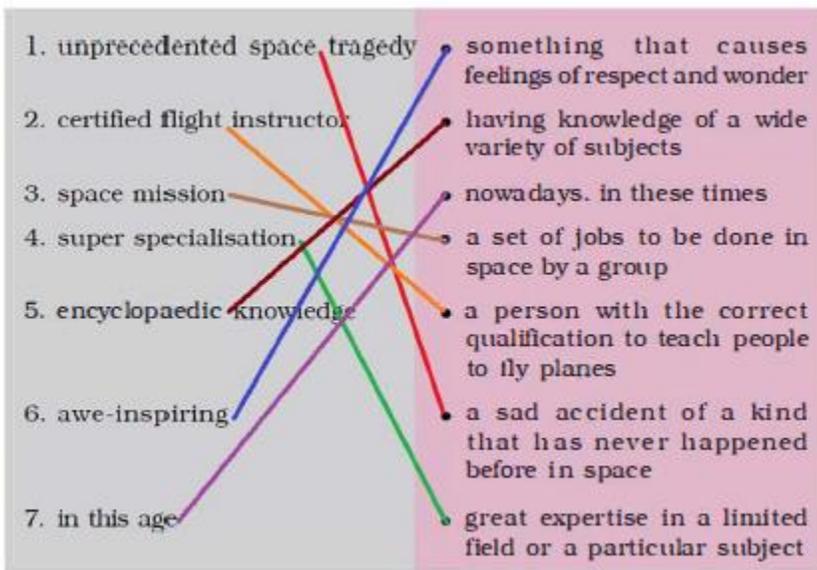
Working with Language

Question A:

Match the following.

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

Solution A:

**Question B:**

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

- | | | |
|------------------|---------------|------------------|
| 1. broke apart | 4. lifted off | 7. cheered along |
| 2. streaked over | 5. blast off | 8. on board |
| 3. spread across | 6. went on | 9. carry on |

Solution B:

1. broke apart - Separated: The two friends broke apart just because of some confusion.
2. streaked *over* - Left a thin line: The jet plan streaked over the building high in the sky.
3. spread across - widely known: During October, the Dengue fever was spread across the city.
4. lifted off - Rose from the launching site: The helicopter lifted off the helipad with all of its passengers.
5. blast off - Take off noisily: Normally the satellites blasted off in the morning time.
6. went on - Continued: The debate competition went on for 5 hours.
7. cheered along - Encouraged: During the match, players are cheered along with their fans after *every* good shot.
8. on board - Inside the plane: The ship has about 400 passengers on board.
9. carry on - Continue doing: He was carry on studying even after exams were *over*.

Question 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 -----

2. controlled _____ _

3. attended _____ _

4. successful _____ _

5. important _____ _

7. interesting _____ _

8. qualified _____ _

9. trained _____ _

10. answerable -----

Solution C:

- | | |
|--------------------------------|-----------------------------------|
| 1. identified – unidentified | Meaning: Not recognised |
| 2. controlled – uncontrolled | Meaning: Lawless |
| 3. attended – unattended | Meaning: Not looked after |
| 4. successful – unsuccessful | Meaning: Failed |
| 5. important – unimportant | Meaning: Not necessary |
| 6. educated – uneducated | Meaning: Illiterate |
| 7. interesting – uninteresting | Meaning: Boring |
| 8. qualified – unqualified | Meaning: Failed to clear criteria |
| 9. trained – untrained | Meaning: Without experience |
| 10. answerable – unanswerable | Meaning: Failed to reply |

Speaking**Question:**

In her message to students of her college, Kalpana Chawla said, "May you have the vision to find the path from dreams to success ... Wishing you a great journey."

Form pairs. Use "May you ... " and "I wish you/Wishing you" to wish your partner good luck and success in

- (i) a sports event,
- (ii) a quiz or a competition, and
- (iii) a test or examination.

Be sure to thank your partner when she/he wishes you in turn. You may also look up a telephone directory, or go to a post office, and get a list in English and Hindi of standard phrases that can be sent in greeting telegrams anywhere in India. Discuss which of these you might use, and when. Compare the English and Hindi phrases for expressing good wishes. Do you know such phrases in any other language?

Solution:

- (i) Wishing you a great score in this cricket match.
- (ii) Have a great success in this quiz competition.
- (iii) Have a success with flying colours in this test.

English and Hindi phrases for expressing good wishes:

Happy New Year

Happy Diwali

Merry Christmas

Writing

Question A:

Do you have a 'dream', or something you very much wish to do? Write a paragraph saying what you want or wish to do. Then say (in another paragraph) how you think you can make your dream come true.

Solution A:

Do yourself.

Question B:

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

Fill in the blanks accordingly.

<i>British</i>	<i>American</i>
1. colour	_____
2. _____	labor
3. _____	traveler
4. counselor	_____
5. centre	_____

Honey

An Indian – American Woman in Space: Kalpana Chawla

- | | |
|-------------|----------|
| 6. _____ | theater |
| 7. _____ | organize |
| 8. realize | _____ |
| 9. _____ | defense |
| 10. offence | _____ |

Solution B:*British**American*

- | | |
|---------------|-----------|
| 1. colour | color |
| 2. labour | labor |
| 3. traveller | traveler |
| 4. counsellor | counselor |
| 5. centre | center |
| 6. theatre | theater |
| 7. organise | organize |
| 8. realize | realize |
| 9. defence | defense |
| 10. offence | offense |