

NCERT SOLUTIONS

CLASS - 6TH



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Class : 6th

Subject : English-1

Chapter : 4

Chapter Name : An Indian – American Woman in Space: Kalpana Chawla

QA Answer the following questions.

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

Answer. 1. Kalpana Chawla was born in Karnal, Haryana. She was called an Indian-American because she was a naturalised U.S. citizen, married to flight instructor Jean-Pierre Harrison.

2. She went to the United States for a master's degree. She was married to flight instructor Jean- Pierre Harrison.

3. After qualifying as a pilot, Kalpana began to consider another challenge: applying to NASA's space shuttle program. She was first hired as a research scientist at NASA. In 1994, she was selected by NASA for training as an astronaut. The idea that she could be an astronaut came from her desire to follow her dreams.

4. According to the journalist, to be an astronaut one should have enormous ability. 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. Kalpana's first space mission was in the space shuttle Columbia. It lasted for 15 days, 16 hours, and 34 minutes. During this time she went around the Earth 252 times, travelling 10.45 million kilometres. The crew included a Japanese and a Ukrainian astronaut. The crew performed experiments such as pollinating plants to observe food growth in space, and tests for making stronger metals and faster computer chips.

6. About pursuing a dream, Kalpana said that the path from dreams to success does exist. One needs to have the vision to find it, and the courage to get onto it. Yes, success is possible. Her life is an example of that.

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QB 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: _____.

Answer. 1. Date and place of lift off: 16th January, 2003; Kennedy Space Center, Florida
 2. Number of astronauts on board: Seven
 3. Number of days it stayed in space: 16
 4. Number of experiments done by scientists: 80
 5. Date of return journey: 1st February, 2003
 6. Height at which it lost contact: 200,000 feet.

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QA 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

Answer. 1. unprecedented space tragedy : A sad accident of a kind that has never happened in space
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Page : 51 , Block Name : Working With Language

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

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

Answer. 1. Broke apart — Divide violently into parts The mobile phone broke apart when Steve stepped on it.

2. Streaked over — Flash brightly leaving a visible line Fireworks streaked over the horizon when India won the cricket match.

3. Spread across — Distributed over a given area Vadaphone has a large network which is spread across all states.

4. Lifted off — The action of an aircraft in becoming airborne My flight lifted off at 2 A.M.

5. Blast off — Action of a rocket leaving its launch pad It is not an easy task to blast off a rocket properly.

6. Went on — Continued Though he faced many difficulties, the traveller went on to his goal.

7. Cheered along — Stood by to shout their support The crowd cheered along as Dhoni hit a century.

8. On board — On a ship, plane or other vehicle The passengers on board the 'economy flights' do not have a comfortable journey.

9. Carry on — To conduct Rescue operations were carried out by the army in spite of heavy rains.

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QC 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 —————
6. educated —————
7. interesting —————
8. qualified —————
9. trained —————
10. answerable —————

Answer. 1. identified -Unidentified

2. controlled -Uncontrolled

3. attended -Unattended

4. successful -Unsuccessful

5. important -Unimportant

6. educated -Uneducated

7. interesting -Uninteresting

8. qualified -Unqualified

9. trained -Untrained

10. answerable -Unanswerable

Page : 52 , Block Name : Working With Language

Q1 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?

Answer. DIY

Page : 52 , Block Name : Speaking

QA 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.

Answer. Dreaming is a common and natural activity of the mind when we are asleep. But the word 'dream' also means ambition, a keen desire in life. In that sense, I have a modest dream. I wish to qualify for the medical profession. To me, a doctor ranks next to God as protector of life. He provides relief to the crying patients. He cures diseases. He helps a patient recover from illness, and be happy and live a full life. I wish to be a doctor to help the poor patients, to bring a smile on their faces.

I know that my dream is not easy to realise. I need not only a brilliant mind but also the means to pay for my studies. Nevertheless, I am determined to pursue my goal. I hope to do well in the entrance examination. FmissingAs for the financial help, I will get it from some bank.

Page : 53 , Block Name : Writing

QB 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	_____

Answer. 1. colour-----color

2. labour-----labor

3. traveller-----traveler

4. counsellor-----counselor

5. centre-----center

6. theatre-----theater

7. organise-----organize
 8. realise-----realize
 9. defence-----defense
 10. offence-----offense

Page : 53 , Block Name : Writing

Q1 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, Keats, 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?

Answer. 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.

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Q2 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?

Answer. wind that is sighing

rain that is falling

a singer who is chanting

The poet uses the shorter phrases to enhance its beauty.

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Q3 Find pictures of beautiful things you have seen or heard of.

Answer. DIY

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Q4 Write a paragraph about beauty. Use your own ideas along with the ideas in the poem.
(You may discuss your ideas with your partner.)

Answer. Beauty is a combination of qualities that give pleasure to our eyes and mind. It has soothing effect. It boosts up our positive imagination. It enhances our potentialities. It sets us on the right path and prepares us to achieve our final goal. We can see beauty in blooming flowers, moving clouds, rainbows etc. Likewise we can hear beauty in the running water of the rivers, in the cool breeze that blows gently. We can perceive beauty in someone's good and kind actions.

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