AAPI Heritage Month

KALPANA CHAWLA

READING COMPREHENSION

NO-PREP &
EDITABLE

FIRST WOMAN OF INDIAN ORIGIN

KALPANA CHAWLA

RESEARCH

CHAWLA

READING COMPREHENSION
MCQ'S
QUESTIONS
ANSWER KEY

KALPANA CHAWLA

Kalpana Chawla was born on March 17, 1962, in Karnal, Haryana, India. From a young age, she was fascinated by the stars and dreamed of becoming an astronaut. Growing up in a conservative Indian household, Chawla faced societal expectations but remained determined to pursue her passion for space exploration.

EDUCATION
Chawla earned a Bachelor of Science degree in Aeronautical Engineering from Punjab Engineering College in India. She then moved to the United States to pursue her higher education, earning a Master of Science degree in Aerospace Engineering from the University of Texas at Arlington. Chawla later obtained a Ph.D. in Aerospace Engineering from the University of Colorado Boulder, where she specialized in computational fluid dynamics.

NASA SELECTION AND FIRST SPACE MISSION
In 1994, Kalpana Chawla was selected by NASA as an astronaut candidate, fulfilling her childhood dream. She completed her training and flew her first space mission in 1997 aboard the Space Shuttle Columbia as a mission specialist. During the mission, Chawla conducted experiments in microgravity and contributed to scientific research.

SECOND SPACE MISSION AND TRAGIC LOSS
Chawla's second space mission began on January 16, 2003, when the Space Shuttle Columbia launched into orbit. Tragically, the mission ended in disaster when the shuttle disintegrated upon re-entry into the Earth's atmosphere on February 1, 2003, resulting in the loss of all seven crew members, including Chawla. The incident was attributed to a structural failure caused by damage sustained during launch.

FIRST WOMAN OF INDIAN ORIGIN IN SPACE
Kalpana Chawla made history as the first woman of Indian origin to travel to space, inspiring millions with her groundbreaking achievement. Her journey aboard the Space Shuttle Columbia in 1997 marked a significant milestone in India's space exploration history and served as a source of pride for people around the world.

CONTRIBUTIONS TO SCIENTIFIC RESEARCH
Kalpana Chawla's work aboard the Space Shuttle Columbia contributed significantly to advancements in scientific research. Her experiments conducted in the microgravity environment of space yielded valuable insights into various fields, including materials science, fluid dynamics, and biology. Chawla's contributions have left a lasting impact on our understanding of space and its potential for scientific exploration.

INSPIRING FUTURE GENERATIONS
Kalpana Chawla's courage, passion, and achievements continue to inspire future generations of astronauts and scientists worldwide. Her legacy serves as a beacon of hope and possibility, encouraging others to pursue their dreams and reach for the stars.

LEGACY
Kalpana Chawla's legacy transcends the boundaries of space exploration. She remains an icon of courage, resilience, and determination, inspiring people of all backgrounds to reach for the stars and pursue their dreams. Chawla's life and accomplishments serve as a reminder of the limitless potential of human ingenuity and the enduring spirit of exploration that drives us to explore new frontiers, both on Earth and beyond.

Name:...................... Date:......................

KALPANA CHAWLA

DIRECTIONS: CHOOSE THE CORRECT ANSWER

1. When was Kalpana Chawla born?
a) March 17, 1962
b) October 20, 1964
c) September 22, 1959
d) April 26, 1957

2. Where was Kalpana Chawla born?
a) Mumbai, India
b) New Delhi, India
c) Karnal, Haryana, India
d) Chennai, India

3. What degrees did Kalpana Chawla earn from the University of Colorado Boulder?
a) Bachelor's degree in Aeronautical Engineering
b) Master's degree in Aerospace Engineering
c) PhD in Aerospace Engineering
d) Master's degree in Computer Science

4. When was Kalpana Chawla selected as an astronaut candidate by NASA?
a) 1997
b) 1991
c) 2001
d) 2000

5. What was the name of Kalpana Chawla's first space mission?
a) Apollo 11
b) Challenger
c) Columbia
d) Discovery

---

6. How many space missions did Ka[...] complete?
a) One
b) Two
c) Three
d) Four

7. When did the Space Shuttle Colum[...]
a) 1997
b) 1999
c) 2001
d) 2003

8. What was the cause of the Space S[...] tragedy?
a) Structural failure during re-entry
b) Engine malfunction during launch
c) Collision with space debris
d) Pilot error

9. What significant achievement did Ka[...] make in space?
a) First woman to [...] space
b) First woman to walk on the Moon
c) First woman to perform a spacewalk
d) First woman of Indian origin to trave[...]

10. What is one aspect of Kalpana Chaw[...] mentioned in the passage?
a) Her contributions [...]
b) Her dedication to [...]
c) Her [...] courage and determination
d) [...]

SHORT ANSWER QUESTIONS

1. When and where was Kalpana C[...]

2. What degrees did Kalpana Chaw[...] University of Colorado Bou[...]

3. How many space missions did [...]

4. What tragic event ended Kalp[...] mission?

5. What significant achievement [...] in space?

ANSWER KEY

MCQs

1. a) March 17, 1962
2. c) Karnal, Haryana, India
3. c) PhD in Aerospace Engineering
4. b) 1991
5. c) Columbia
6. b) Two
7. d) 2003
8. a) Structural failure during re-entry
9. d) First woman of Indian origin in space
10. c) Her inspiring courage and determination

SHORT-ANSWER QUESTIONS

1. Kalpana Chawla was born on March 17, 1962, in Karnal, Haryana, India.

2. Kalpana Chawla earned a PhD in Aerospace Engineering from the University of Colorado Boulder.

3. Kalpana Chawla completed two space missions.

4. The tragic event that ended Kalpana Chawla's second space mission was the destruction of the Space Shuttle Columbia upon re-entry into the Earth's atmosphere.

5. Kalpana Chawla made history as the first woman of Indian origin to travel to space.

READY TO PRINT

NO-PREP !

JUST PRINT AND GO!

PDF

EDITABLE

*FONTS ARE EMBEDED FOR CONVENIENCE

EASY EDITING

PowerPoint