

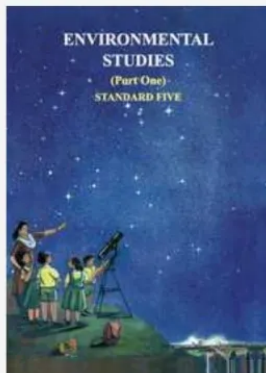
Maharashtra Board Solutions Class

5-Environmental Studies (Part 1): Chapter 1-

Our Earth and Our Solar System

BOOK SOLUTIONS
CLASS 5
ENVIRONMENTAL STUDIES (PART 1)

CHAPTER 1
Our Earth and Our Solar System



Maharashtra Board Solutions→



For any clarifications or questions you can write to info@indcareer.com

Postal Address

IndCareer.com, 52, Shilpa Nagar, Somalwada Nagpur - 440015
Maharashtra, India

WhatsApp: +91 9561 204 888, **Website:** <https://www.indcareer.com>

<https://www.indcareer.com/schools/maharashtra-board-solutions-class-5-environmental-studies-part-1-chapter-1-our-earth-and-our-solar-system/>



Maharashtra Board Solutions Class

5-Environmental Studies (Part 1): Chapter 1-

Our Earth and Our Solar System

Class 5: Environmental Studies Chapter 1 solutions. Complete Class 5 Environmental Studies Chapter 1 Notes.

Maharashtra Board Solutions Class 5-Environmental Studies: Chapter 1- Our Earth and Our Solar System

Maharashtra Board 5th Environmental Studies Chapter 1, Class 5 Environmental Studies Chapter 1 solutions

Questions and Answers

1. *What's the solution?*

Question 1.

What's the solution?

One of the asteroids have fallen out of its place in the asteroid belt and is hurling towards the sun. Our earth is in its way and there is all likelihood of a collision. What can be done to prevent this collision?

Answer:

Use the shock wave to deflect it away from earth. Which means attach three large remote controlled rockets to the asteroid turning it into a large space vehicle and move it away from a dangerous collision.

2. *Use your Brain Power:*

Question 1.

<https://www.indcareer.com/schools/maharashtra-board-solutions-class-5-environmental-studies-part-1-chapter-1-our-earth-and-our-solar-system/>

What will happen to our solar system if the sun were to suddenly disappear?

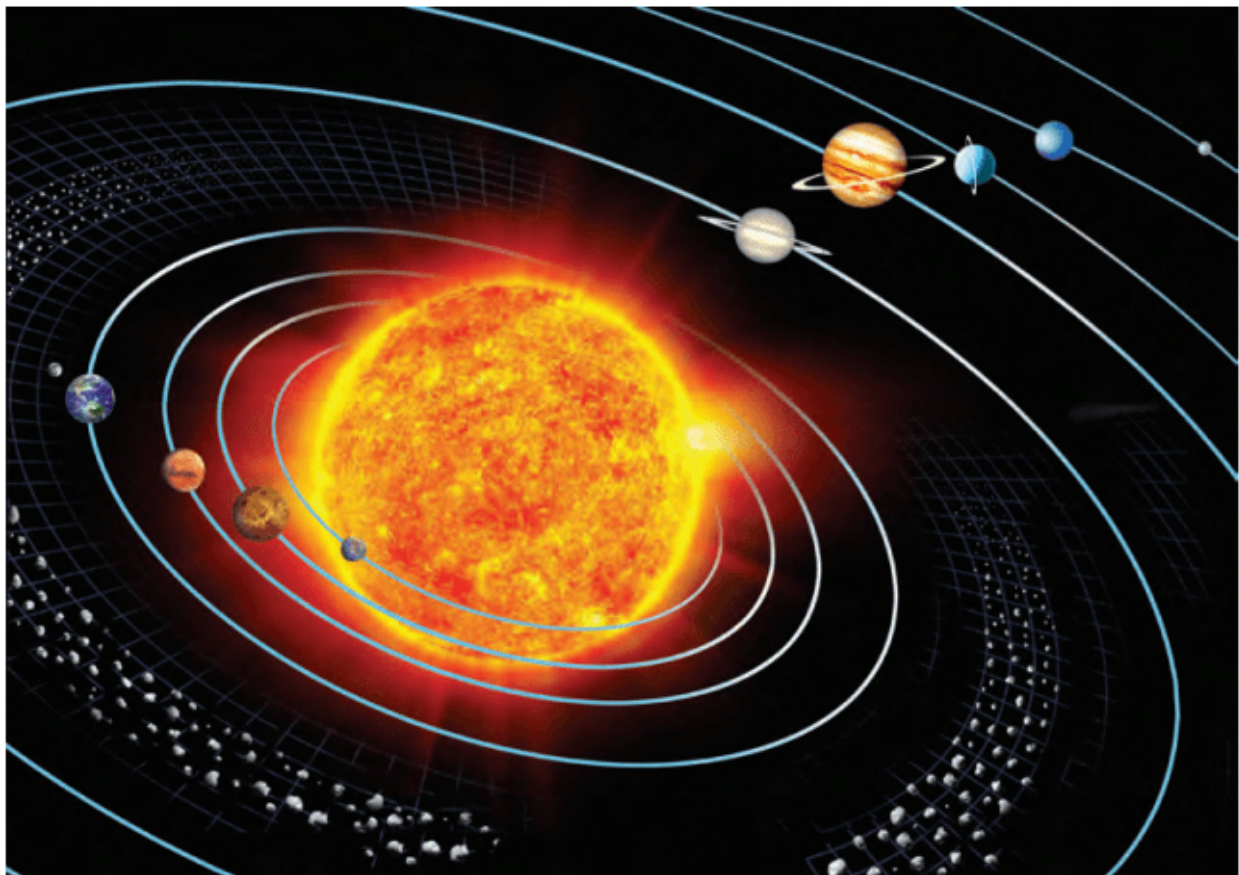
Answer:

1. If the sun were to suddenly disappear all life forms on earth will cease, because the sun is a source of light and heat.
2. There will be complete darkness on all planets.
3. The planets will move from their orbits and may clash against each other.

Question 2.

Suppose you want to give your address to a friend you have on the planet mars. How will you write your address if you want them to understand exactly where you live?

3. Look at the picture of the solar system and answer the following questions:



<https://www.indcareer.com/schools/maharashtra-board-solutions-class-5-environmental-studies-part-1-chapter-1-our-earth-and-our-solar-system/>

Question (a)

Which planet is nearest to the Sun?

Answer:

Mercury

Question (b)

At what position is the earth from the Sun?

Answer:

Third

Question (c)

Which planet is placed between the earth and mercury?

Answer:

Venus

Question (d)

Name the planets beyond the orbit of Mars in serial order.

Answer:

Jupiter, Saturn, Uranus and Neptune.

Question (e)

Which planet in the Solar System is furthest from the sun?

Answer:

Neptune

4. Who am I?

<https://www.indcareer.com/schools/maharashtra-board-solutions-class-5-environmental-studies-part-1-chapter-1-our-earth-and-our-solar-system/>

Question (a)

You can see me from the earth but the lighted part of me that you see changes every day.

Answer:

The moon.

Question (b)

I have my own light. It is only from me that the planets get light and heat.

Answer:

The sun.

Question (c)

I turn around myself, around a planet and also around a star.

Answer:

Satellite.

Question (d)

I turn around myself and revolve around the Sun.

Answer:

Planet.

Question (e)

No other planet has a living world like mine.

Answer:

Earth.

Question (f)

I am the nearest star to the earth.

<https://www.indcareer.com/schools/maharashtra-board-solutions-class-5-environmental-studies-part-1-chapter-1-our-earth-and-our-solar-system/>

Answer:

The sun.

5.

Question (a)

For what purpose are rockets used in space travel?

Answer:

1. Very powerful rockets are used to send a spacecraft into space.
2. A tremendous quantity of fuel is burnt in rockets so that spacecraft weighing thousands of tons may be launched into space.

Question (b)

What information do man-made satellites provide?

Answer:

1. Man made satellites provide useful information on agriculture, environment, weather, forecasting, making maps and searching for water and mineral wealth on the earth.
2. It is also used for telecommunication.

Additional Important Questions and Answers

Fill in the blanks with the correct answers from the options given below:

Question 1.

The heavenly bodies that twinkle are called

- (a) earth
- (b) moon
- (c) stars

Answer:

<https://www.indcareer.com/schools/maharashtra-board-solutions-class-5-environmental-studies-part-1-chapter-1-our-earth-and-our-solar-system/>

(c) Stars

Question 2.

Satellites and planets get their light from the

(a) asteroids

(b) pluto

(c) sun

Answer:

(c) sun

Question 3.

The heavenly body closest to the earth is

(a) sun

(b) moon

(c) mercury

Answer:

(b) moon

Question 4.

..... is an important Indian space mission on Mars.

(a) Chandrayaan -1

(b) Mangalyaan

(c) Marsyaan

Answer:

(b) Mangalyaan

<https://www.indcareer.com/schools/maharashtra-board-solutions-class-5-environmental-studies-part-1-chapter-1-our-earth-and-our-solar-system/>

Question 5.

Scientists who travel in the spacecraft are called

- (a) astronauts
- (b) researchers
- (c) engineers

Answer:

- (a) astronauts

Question 6.

..... became the first Indian astronaut to go in space.

- (a) Kalpana Chaivla
- (b) Rakesh Sharma
- (c) Sunita Williams

Answer:

- (b) Rakesh Sharma

Question 7.

..... have their own light.

- (a) Stars
- (b) Planets
- (c) Asteroids

Answer:

- (a) Stars

Question 8.

<https://www.indcareer.com/schools/maharashtra-board-solutions-class-5-environmental-studies-part-1-chapter-1-our-earth-and-our-solar-system/>

The Sun is a

- (a) planet
- (b) star
- (c) satellite

Answer:

- (b) star

Question 9.

The heavenly bodies that do not twinkle are called

- (a) planets
- (b) stars
- (c) rockets

Answer:

- (a) planets

Question 10.

..... do not have their own light.

- (a) stars
- (b) planets
- (c) bulbs

Answer:

- (b) planets

Question 11.

Plants get their light from the

<https://www.indcareer.com/schools/maharashtra-board-solutions-class-5-environmental-studies-part-1-chapter-1-our-earth-and-our-solar-system/>

- (a) rockets
- (b) asteroids
- (c) stars
- (d) sun

Answer:

- (c) stars

Question 12.

Our earth is a

- (a) satellite
- (b) moon
- (c) planet

Answer:

- (c) planet

Question 13.

The earth's movement around the sun is called the of the earth.

- (a) revolution
- (b) rotation
- (c) motion

Answer:

- (a) revolution

Question 14.

Besides earth, there are other planets which revolves around the sun.

<https://www.indcareer.com/schools/maharashtra-board-solutions-class-5-environmental-studies-part-1-chapter-1-our-earth-and-our-solar-system/>

- (a) two
- (b) one
- (c) seven

Answer:

- (c) seven

Question 15.

The pathway along which the planets move around the sun is known as the planet's

- (a) track
- (b) orbit
- (c) asteroid

Answer:

- (b) orbit

Question 16.

The sun and the planets that revolve around it are together called the system.

- (a) satellite
- (b) solar
- (c) universal

Answer:

- (b) solar

Question 17.

Some heavenly bodies that revolve around the planets are called

- (a) sun

<https://www.indcareer.com/schools/maharashtra-board-solutions-class-5-environmental-studies-part-1-chapter-1-our-earth-and-our-solar-system/>

- (b) moon
- (c) satellites

Answer:

- (c) satellites

Question 18.

The revolves around the earth.

- (a) sun
- (b) moon
- (c) planets

Answer:

- (b) moon

Question 19.

The moon is the satellite of the

- (a) Mars
- (b) Saturn
- (c) Earth

Answer:

- (c) Earth

Question 20.

The planets revolve around the along with its satellites.

- (a) earth
- (b) sun

<https://www.indcareer.com/schools/maharashtra-board-solutions-class-5-environmental-studies-part-1-chapter-1-our-earth-and-our-solar-system/>

(c) solar system

Answer:

(b) sun

Question 21.

..... is a well-known dwarf planet.

(a) Pluto

(b) Jupiter

(c) Saturn

Answer:

(a) Pluto

Question 22.

Asteroids also around the sun.

(a) rotate

(b) move

(c) revolve

Answer:

(c) revolve

Question 23.

Due to the earth's all things on the earth remain on it.

(a) gravity

(b) rotation

(c) revolution

<https://www.indcareer.com/schools/maharashtra-board-solutions-class-5-environmental-studies-part-1-chapter-1-our-earth-and-our-solar-system/>

Answer:

(a) gravity

Question 24.

Very powerful rockets are used to send a spacecraft into

(a) planets

(b) asteroids

(c) space

Answer:

(c) space

Question 25.

Our country is well-known for the development of its launch technology.

(a) Space

(b) Astronaut

(c) Asteroids

Answer:

(a) Space

Question 26.

Scientists who travel in spacecraft are called

(a) astronauts

(b) asteroids

(c) rockets

Answer:

<https://www.indcareer.com/schools/maharashtra-board-solutions-class-5-environmental-studies-part-1-chapter-1-our-earth-and-our-solar-system/>

(a) astronauts

What is the full form of:

Question 1.

M. O. M.

Answer:

Mars Orbit Mission

Question 2.

ISRO

Answer:

Indian Space Research Organisation

Question 3.

Match the following:

‘A’

‘B’

(1) Rakesh Sharma went to space

(a) 2008

(2) Chandrayaan I launched

(b) 2014

(3) MOM launched in space

(c) 1984

(4) MOM established in an orbit

(d) 2013

Answer:

‘A’

‘B’

<https://www.indcareer.com/schools/maharashtra-board-solutions-class-5-environmental-studies-part-1-chapter-1-our-earth-and-our-solar-system/>

- | | |
|---------------------------------|----------|
| (1) Rakesh Sharma went to space | (c) 1984 |
| (2) Chandrayaan I launched | (a) 2008 |
| (3) MOM launched in space | (b) 2014 |
| (4) MOM established in an orbit | (d) 2013 |

Name the following:

Question 1.

Two heavenly bodies.

Answer:

The sun and the moon.

Question 2.

Planets in the solar system.

Answer:

Mercury Venus, Earth, Mars, Jupiter/Saturn, Uranus and Neptune.

Question 3.

Heavenly bodies between Mars and Jupiter.

Answer:

Asteroids.

Question 4.

A dwarf planet.

Answer:

Pluto.

Question 5.

<https://www.indcareer.com/schools/maharashtra-board-solutions-class-5-environmental-studies-part-1-chapter-1-our-earth-and-our-solar-system/>

Technology that helps us to travel in space.

Answer:

Rocket technology or space launch technology.

Answer the following in one sentence:

Question 1.

What is the solar system?

Answer:

The sun and their planets, their satellites, dwarf planets and asteroids that revolve around the sun are together called the solar system.

Question 2.

What is known as planet's orbit?

Answer:

Every planet in the solar system revolves around the sun along a specific path which is known as planet's orbit.

Question 3.

What are satellites?

Answer:

Some heavenly bodies which revolves around the planets are called satellites.

Question 4.

What do you mean by the force of gravity?

Answer:

All heavenly bodies exert a force of attraction or a pull on one another, this is called the force of gravity.

Question 5.

<https://www.indcareer.com/schools/maharashtra-board-solutions-class-5-environmental-studies-part-1-chapter-1-our-earth-and-our-solar-system/>

What are heavenly bodies?

Answer:

The sun, the moon, the stars, the planets, etc. are all heavenly bodies.

Question 6.

What are stars?

Answer:

Heavenly bodies that twinkle are called stars.

Question 7.

Which star is closer than any other star?

Answer:

The sun is the star that is closest to us.

Question 8.

What are planets?

Answer:

Heavenly bodies that do not twinkle are called planets.

Question 9.

What are the two movements of a planet?

Answer:

Planets revolve around a star, even as they rotate around themselves.

Question 10.

What is the revolution of the earth?

Answer:

<https://www.indcareer.com/schools/maharashtra-board-solutions-class-5-environmental-studies-part-1-chapter-1-our-earth-and-our-solar-system/>

The movement of the earth around the sun is called the revolution of the earth.

Question 11.

How many planets are there in our solar system?

Answer:

Our solar system has eight planets.

Question 12.

Name the planets of our solar system.

Answer:

The planets of our solar system are Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus and Neptune.

Question 13.

Which is the satellite of the Earth?

Answer:

The moon is the satellite of the earth.

Question 14.

What are dwarf planets?

Answer:

Some smaller heavenly bodies that revolve around the sun are called dwarf planets.

Question 15.

Which dwarf planet is well-known?

Answer:

Pluto is a well known dwarf planet.

Question 16.

<https://www.indcareer.com/schools/maharashtra-board-solutions-class-5-environmental-studies-part-1-chapter-1-our-earth-and-our-solar-system/>

What are Asteroids?

Answer:

A band of numerous small heavenly bodies are called Asteroids.

Question 17.

Where are the Asteroids situated?

Answer:

The Asteroids are situated between the planets Mars and Jupiter.

Question 18.

Why do all the things on the earth remain on it?

Answer:

All things on earth remain on it, due to the earth's gravity.

Question 19.

How do we send some object to space?

Answer:

To send some object from earth to space, it must be given power against the force of gravity.

Question 20.

Which technology is used to send objects into space?

Answer:

Rocket technology or space launch technology is used to send objects into space.

Question 21.

What are used to send a spacecraft into space?

Answer:

<https://www.indcareer.com/schools/maharashtra-board-solutions-class-5-environmental-studies-part-1-chapter-1-our-earth-and-our-solar-system/>

Very powerful rockets are used to send a spacecraft into space.

Question 22.

What is our country well-known for?

Answer:

Our country is well-known for the development of its space launch technology.

Question 23.

Who are astronauts?

Answer:

Some scientists who travel in spacecraft are known as astronauts.

Question 24.

Who was the first Indian astronaut to go into space?

Answer:

Rakesh Sharma was the first Indian astronaut to go into space in 1984.

Question 25.

Name two astronauts of Indian origin.

Answer:

Kalpana Chawla and Sunita Williams are two astronauts with Indian origin.

Give geographical reasons:

Question 1.

During the day we cannot see other stars, besides the Sun.

Answer:

1. The sun is a star.

<https://www.indcareer.com/schools/maharashtra-board-solutions-class-5-environmental-studies-part-1-chapter-1-our-earth-and-our-solar-system/>

2. It is closer to us than any other star.
3. It appears big and brilliant.
4. Therefore, due to its bright light during the day, we cannot see other stars.

Question 2.

The moon is called a satellite of the earth.

Answer:

1. We see the moon at night.
2. It revolves around the earth.
3. Therefore, it is called a satellite of the earth.

Question 3.

Our Earth is an invaluable planet.

Answer:

1. Space scientists have not yet been able to find a single other planet which has life on it.
2. Therefore, our planet is an invaluable planet.

Question 4.

Though the sun is a star it does not twinkle.

Answer:

1. The sun is a star and it is closer to us than any of the stars.
2. Hence, it appears big and brilliant and does not twinkle like the distant stars.

Question 5.

The moon appears to be very big.

Answer:

<https://www.indcareer.com/schools/maharashtra-board-solutions-class-5-environmental-studies-part-1-chapter-1-our-earth-and-our-solar-system/>

1. Compared to the sun, the other heavenly bodies in the solar system are much smaller.
2. As the moon is closest to the earth, it appears to be very big although it is actually very much smaller than the sun.

Question 6.

Satellites revolve around their planets.

Answer:

1. The sun exerts a gravitational pull on all planets whereas the tendency of the planets is to move away from the sun.
2. As a result of these two forces, a planet keeps revolving around the sun at fixed distance, in a fixed orbit.
3. In this way the satellites revolve around their planets.

Question 7.

Even if we throw something upward with a great force, it finally falls to the ground.

Answer:

1. All things on the earth remain on it due to the earth's gravity.
2. So, even if we throw something upward with a great force, it finally falls back to the ground.

Answer briefly:

Question 1.

What happens to the spacecrafts after the mission is over?

Answer:

1. Some spacecraft remain in space.
2. Others are brought back to earth.
3. Some land on other planets or satellites after the mission is complete.

Question 2.

<https://www.indcareer.com/schools/maharashtra-board-solutions-class-5-environmental-studies-part-1-chapter-1-our-earth-and-our-solar-system/>

Describe Rakesh Sharma's mission to space.

Answer:

1. Rakesh Sharma became the first Indian astronaut to go into space in 1984.
2. He spent eight days.
3. It was a joint mission of the ISRO and the Soviet Intercosmos.
4. Seeing India from space, he said it looked: 'Saare jahan se achha'.

Question 3.

How are spacecraft launched into space?

Answer:

1. Very powerful rockets are used to send a spacecraft into space.
2. A tremendous quantity of fuel is burnt in these rockets so that the spacecraft weighing thousands of tons may be launched into space.

Question 4.

What are the uses of man-made satellites?

Answer:

1. Man-made satellites provide useful information for agriculture, environment, weather forecasting, map making and searching for water and mineral wealth on the earth.
2. They are also used for telecommunication.

Write short note on:

Question 1.

Dwarf planets

Answer:

1. Dwarf planets are smaller heavenly bodies that revolve around the sun.

<https://www.indcareer.com/schools/maharashtra-board-solutions-class-5-environmental-studies-part-1-chapter-1-our-earth-and-our-solar-system/>

2. The most well known is Pluto.
3. They revolve around the sun independently.
4. They have their own orbit.

Question 2.

Asteriods

Answer:

1. Small heavenly bodies between the planets Mars and Jupiter are called asteroids.
2. They move in a form of a band and are numerous.
3. They revolve around the sun.

Question 3.

Distinguish between stars and planets:

Answer:

Stars	Planets
(a) Stars twinkle.	(a) Planets do not twinkle.
(b) Stars have their own light.	(b) Planets do not have their own light.
(c) For e.g. The sun.	(c) For e.g. The earth.

Question 4.

Give details of Mangalyaan on the basis of the following points:

- (a) Another name of Mangalyaan,
- (b) Date of launch,
- (c) Date of orbiting,

<https://www.indcareer.com/schools/maharashtra-board-solutions-class-5-environmental-studies-part-1-chapter-1-our-earth-and-our-solar-system/>

(d) Attempts made to achieve success,

(e) Type of mission,

(f) Objective of the mission.

Answer:

(a) Mass Orbit Mission

(b) 5 November 2013

(c) 24 September 2014

(d) one

(e) unmanned

(f) Deeper study of the moon and mass.

Question 5.

Through your observation:

In which direction do leaves from a tree, rocks from a hillside or rain from the sky fall?

Answer:

Due to earth's gravity all things fall down to the ground.

Glossary:

1. heavenly – cosmic/celestial.
2. dwarf – small and insignificant in comparison
3. gravity – force that attracts a body towards the centre of the earth.
4. tremendous – very great in amount, scale or intensity.
5. disappear – cease to be visible/cease to exist.



<https://www.indcareer.com/schools/maharashtra-board-solutions-class-5-environmental-studies-part-1-chapter-1-our-earth-and-our-solar-system/>

Maharashtra Board Solutions

Class 5 Environmental Studies

Part 1

- Chapter 1- Our Earth and Our Solar System
- Chapter 2- Motions of the Earth
- Chapter 3- The Earth and its Living World
- Chapter 4- Environmental Balance
- Chapter 5- Family Values
- Chapter 6- Rules are for Everyone
- Chapter 7- Let us Solve Our own Problems
- Chapter 8- Public Facilities and My School
- Chapter 9- Maps - Our Companions
- Chapter 10- Getting to Know India
- Chapter 11- Our Home and Environment
- Chapter 12- Food for All
- Chapter 13- Methods of Preserving Food
- Chapter 14- Transport
- Chapter 15- Communication and Mass Media
- Chapter 16- Water
- Chapter 17- Clothes - Our Necessity
- Chapter 18- The Environment and Us
- Chapter 19- Constituents of Food
- Chapter 20- Our Emotional World
- Chapter 21- Busy at Work - Our Internal Organs

<https://www.indcareer.com/schools/maharashtra-board-solutions-class-5-environmental-studies-part-1-chapter-1-our-earth-and-our-solar-system/>

- Chapter 22- Growth and Personality Development
- Chapter 23- Infectious Diseases and how to Prevent them
- Chapter 24- Substances, Objects and Energy
- Chapter 25- Community Health and Hygiene
- Chapter 3- Life on Earth
- Chapter 4- Evolution
- Chapter 5- Evolution of Mankind
- Chapter 6- Stone Age: Stone Tools
- Chapter 7- From Shelters to Village-settlements
- Chapter 8- Beginning of Settled Life
- Chapter 9- Settled Life and Urban Civilization
- Chapter 10- Historic Period

Part 2

- Chapter 1- What is History?
- Chapter 2- History and the Concept of 'Time'

<https://www.indcareer.com/schools/maharashtra-board-solutions-class-5-environmental-studies-part-1-chapter-1-our-earth-and-our-solar-system/>

About About Maharashtra State Board (MSBSHSE)

The Maharashtra State Board of Secondary and Higher Secondary Education or MSBSHSE (Marathi: महाराष्ट्र राज्य माध्यमिक आणि उच्च माध्यमिक शिक्षण मंडळ), is an **autonomous and statutory body established in 1965**. The board was amended in the year 1977 under the provisions of the Maharashtra Act No. 41 of 1965.

The Maharashtra State Board of Secondary & Higher Secondary Education (MSBSHSE), Pune is an independent body of the Maharashtra Government. There are more than 1.4 million students that appear in the examination every year. The Maha State Board conducts the board examination twice a year. This board conducts the examination for SSC and HSC.

The Maharashtra government established the Maharashtra State Bureau of Textbook Production and Curriculum Research, also commonly referred to as Ebalbharati, in 1967 to take up the responsibility of providing quality textbooks to students from all classes studying under the Maharashtra State Board. MSBHSE prepares and updates the curriculum to provide holistic development for students. It is designed to tackle the difficulty in understanding the concepts with simple language with simple illustrations. Every year around 10 lakh students are enrolled in schools that are affiliated with the Maharashtra State Board.

<https://www.indcareer.com/schools/maharashtra-board-solutions-class-5-environmental-studies-part-1-chapter-1-our-earth-and-our-solar-system/>

FAQs

Where do I get the Maharashtra State Board Books PDF For free download?

You can download the Maharashtra State Board Books from the eBalbharti official website, i.e. cart.ebalbharati.in or from this article.

Add image

How to Download Maharashtra State Board Books?

Students can get the Maharashtra Books for primary, secondary, and senior secondary classes from here. You can view or download the Maharashtra State Board Books from this page or from the official website for free of cost. Students can follow the detailed steps below to visit the official website and download the e-books for all subjects or a specific subject in different mediums.

Step 1: Visit the official website ebalbharati.in

Step 2: On the top of the screen, select "Download PDF textbooks"

Step 3: From the "Classes" section, select your class.

Step 4: From "Medium", select the medium suitable to you.

Step 5: All Maharashtra board books for class 11th will now be displayed on the right side.

Step 6: Click on the "Download" option to download the PDF book.

Who developed the Maharashtra State board books?

As of now, the MSCERT and Balbharti are responsible for the syllabus and textbooks of Classes 1 to 8, while Classes 9 and 10 are under the Maharashtra State Board of Secondary and Higher Secondary Education (MSBSHSE).

How many state boards are there in Maharashtra?

The Maharashtra State Board of Secondary & Higher Secondary Education, conducts the HSC and SSC Examinations in the state of Maharashtra through its nine Divisional Boards located at Pune, Mumbai, Aurangabad, Nasik, Kolhapur, Amravati, Latur, Nagpur and Ratnagiri.

<https://www.indcareer.com/schools/maharashtra-board-solutions-class-5-environmental-studies-part-1-chapter-1-our-earth-and-our-solar-system/>

About IndCareer

IndCareer.com is a leading developer of online career guidance resources for the Indian marketplace. Established in 2007, IndCareer.com is currently used by over thousands of institutions across India, including schools, employment agencies, libraries, colleges and universities.

IndCareer.com is designed to assist you in making the right career decision - a decision that meets your unique interests and personality.

For any clarifications or questions you can write to **info@indcareer.com**

Postal Address

IndCareer.com
52, Shilpa Nagar,
Somalwada
Nagpur - 440015
Maharashtra, India

WhatsApp: +91 9561 204 888

Website: <https://www.indcareer.com>

<https://www.indcareer.com/schools/maharashtra-board-solutions-class-5-environmental-studies-part-1-chapter-1-our-earth-and-our-solar-system/>