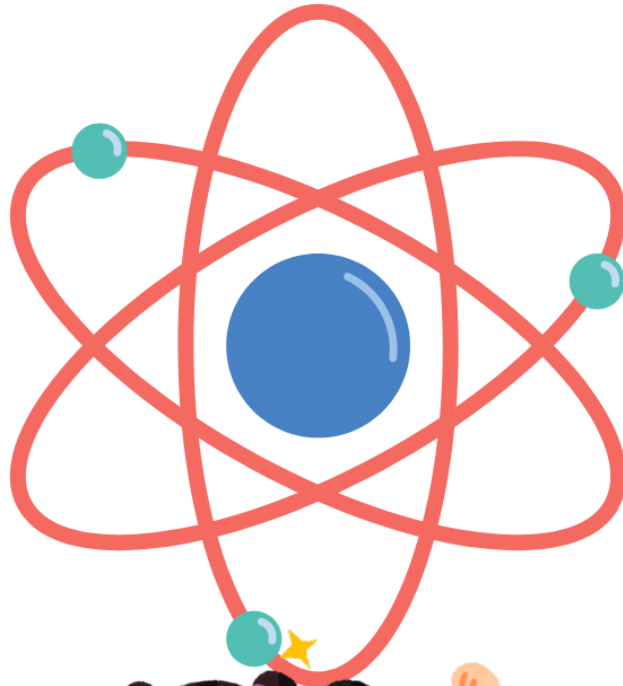
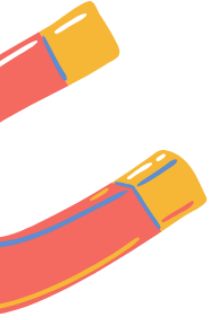




Einstein
PUBLIC SCHOOL

Nurturing a better tomorrow

Holiday Homework Class 8



Hindi

1. Paragraph writing (कोई एक)

- ✓ मेरा प्रिय त्योहार
- ✓ पर्यावरण संरक्षण का महत्व
- ✓ समय का सदुपयोग
- ✓ मेरा विद्यालय

(100–120 शब्दों में लिखें)

2. Sentence Transformation (15 वाक्य)

निम्न प्रकार से वाक्य बदलें—

कथनवाचक से प्रश्नवाचक

सकारात्मक से नकारात्मक

सक्रिय से निष्क्रिय

उदाहरण:

राम स्कूल जाता है। → क्या राम स्कूल जाता है?

वह खेलता है। → वह नहीं खेलता है।

शिक्षक पाठ पढ़ाते हैं। → पाठ शिक्षक द्वारा पढ़ाया जाता है।

इसी प्रकार 15 वाक्य लिखें।

3. Project Work (अनिवार्य)

विषय: “भारत की लोक संस्कृति”

चित्र एवं चार्ट का प्रयोग करें।

रंगीन एवं आकर्षक प्रस्तुति बनाएं।

5–6 पृष्ठों की फाइल तैयार करें।



English

Section A – Literature & Reading Enrichment

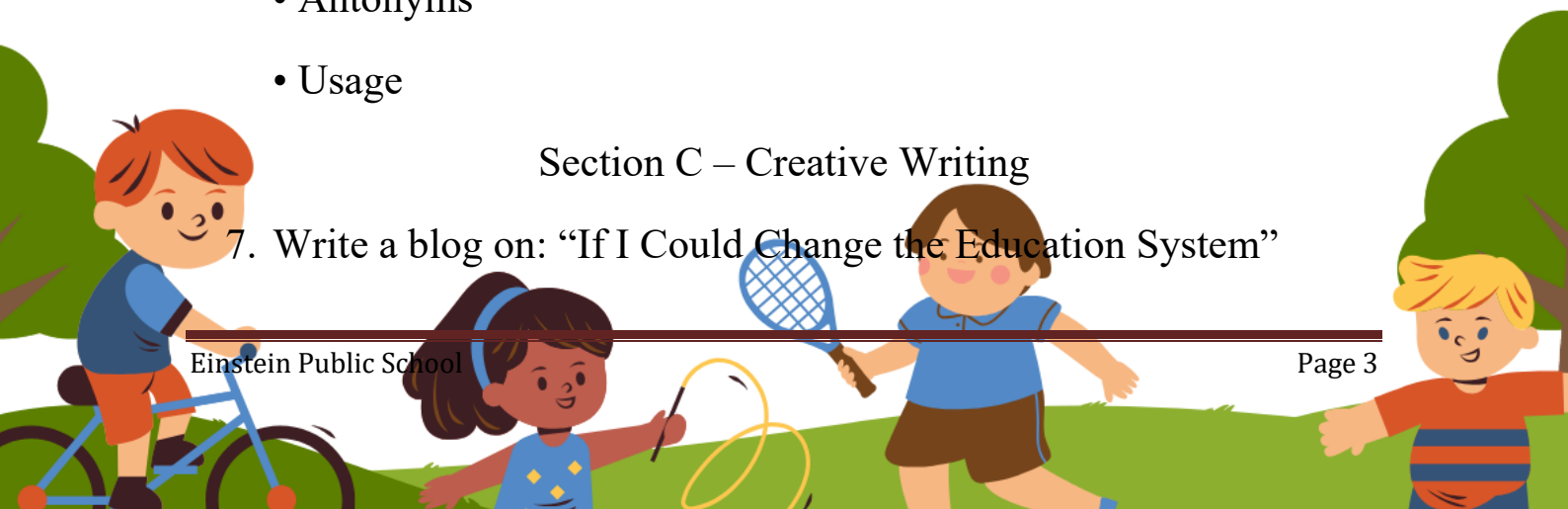
1. Read two chapters and:
 - Compare two characters.
 - Write one moral lesson from each.
 - Create a scene illustration.
2. Write a review of any story/poem from the book.
3. Prepare a “Theme Collage” using magazine cuttings/drawings.

Section B – Grammar & Language Tasks

4. Prepare a creative chart on:
 - Modals
 - Voice
 - Reported Speech
 - Clauses
5. Make a “Grammar Escape Room” Create clues/questions based on grammar topics.
6. Write 15 advanced vocabulary words with:
 - Synonyms
 - Antonyms
 - Usage

Section C – Creative Writing

7. Write a blog on: “If I Could Change the Education System”



8. Create a podcast script: “A Conversation Between Earth and Humans”
9. Write a short science-fiction story in comic style.

Section D – Logical Thinking & Critical Skills

10. Solve analogy and word reasoning puzzles.
11. Create a detective puzzle story with clues.
12. Make 10 “Fact or Opinion” cards.

Section E – Project Work

Project: “English Around the World”

Include:

- Different English accents
- Famous English words from other countries
- Interesting facts about global English

(Can be PPT/chart/model/video)

Section F – Engaging Activities

- Watch one English interview/show weekly.
- Participate in family debates in English.
- Learn 5 new words daily and use them naturally.
- Play crossword/word search games regularly.

GENERAL INSTRUCTIONS

- Homework should be neat, colourful, and creative.
- Avoid unnecessary lengthy writing.

- Use charts, drawings, comic strips, flashcards, models, and activities.
- Students may use recycled materials for projects.

Submission Date: _____

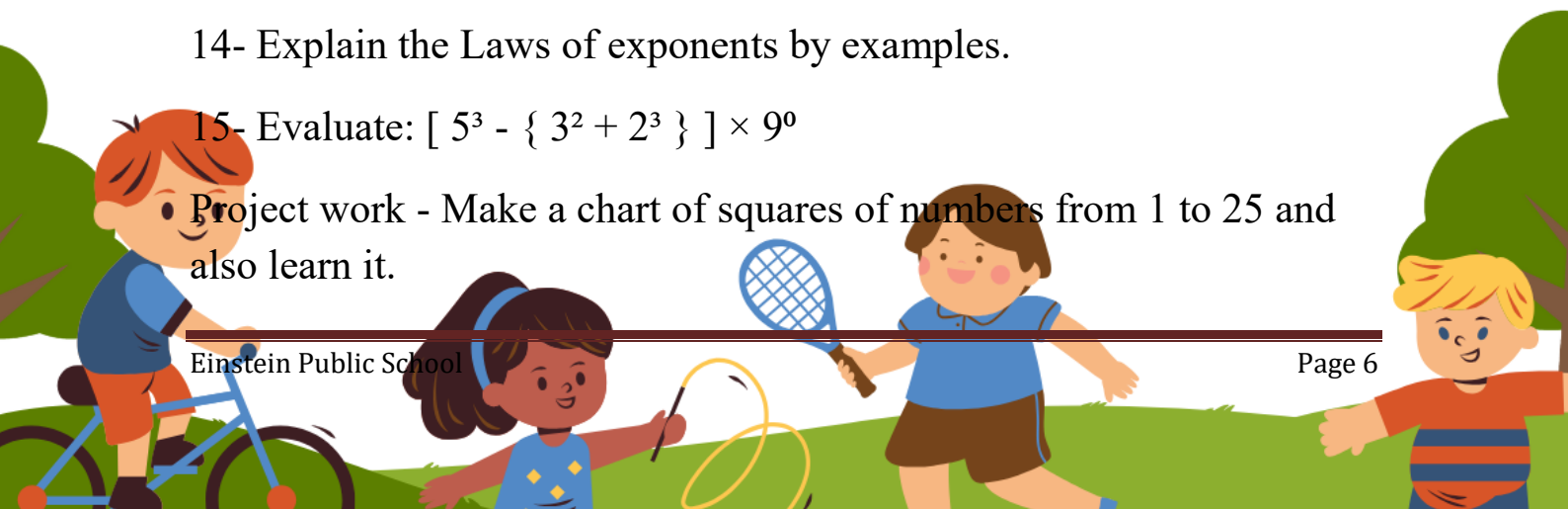
Enjoy Your Summer Vacation & Keep Learning Creatively!



Maths

- 1- A square garden has an area of 324 m^2 . Find the length of one side of the garden
- 2- Using prime factorization, find the square root of 1764.
- 3- Find the least perfect square number divisible by 6, 9, and 15.
- 4- The product of two equal numbers is 961. Find the numbers.
- 5- Write the first 10 perfect square numbers.
- 6- Find the least number by which 432 must be multiplied to make it a perfect square. Also find the square root of this perfect square number.
- 7- Find the cube root of 729.
- 8- Find the smallest number by which 54 must be multiplied to make it a perfect cube.
- 9- Find the smallest number by which 128 must be divided to make it a perfect cube.
- 10- The volume of a cubical water tank is 8000 m^3 . Find the length of one edge of the tank.
- 11- Find the value of 3^4 .
- 12- Write 625 as a power of 5.
- 13- The population of a town is 6.2×10^6 write this number in ordinary form.
- 14- Explain the Laws of exponents by examples.
- 15- Evaluate: $[5^3 - \{ 3^2 + 2^3 \}] \times 9^0$

Project work - Make a chart of squares of numbers from 1 to 25 and also learn it.



S.St

(Strictly Based on New NCERT Syllabus)

Chapters Included

Natural Resources and Their Use

Reshaping India's Political Map (Medieval Period)

Universal Franchise and India's Electoral System

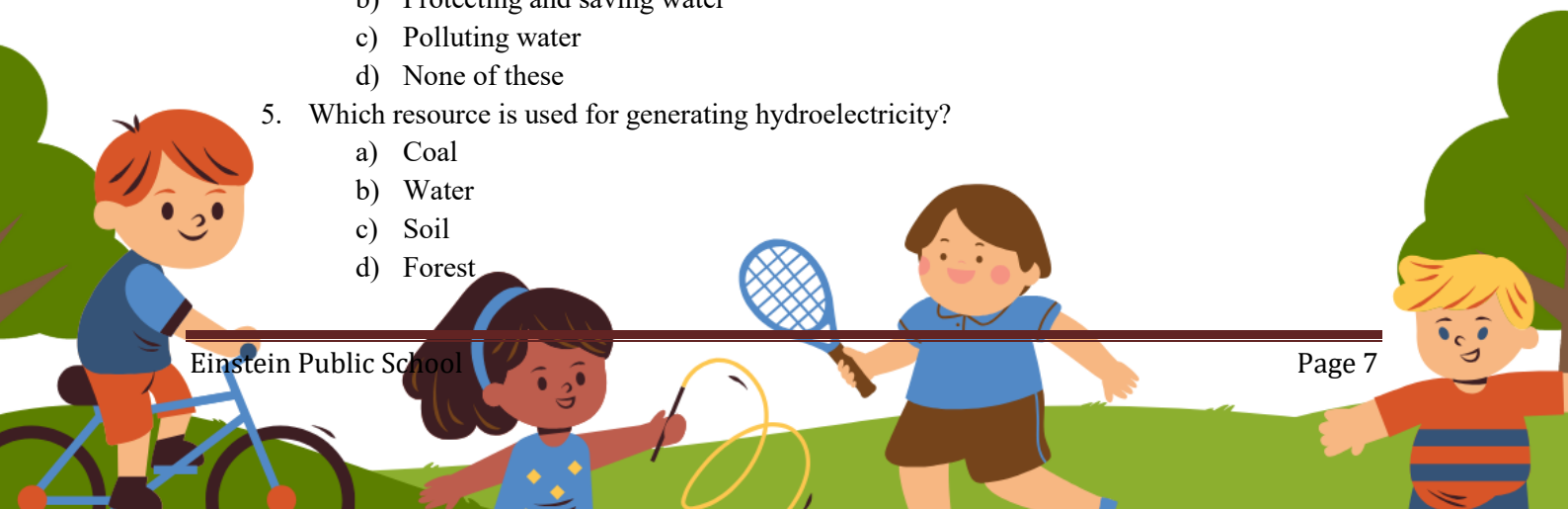
General Instructions

- ✓ Complete the work neatly in a separate notebook/file.
- ✓ Use colored pens, maps, pictures, and creative designs.
- ✓ Draw charts carefully with proper headings.
- ✓ All answers should be written in your own words.
- ✓ Submission Date: _____

Section A – Multiple Choice Questions ($20 \times 1 = 20$ Marks)

Natural Resources and Their Use

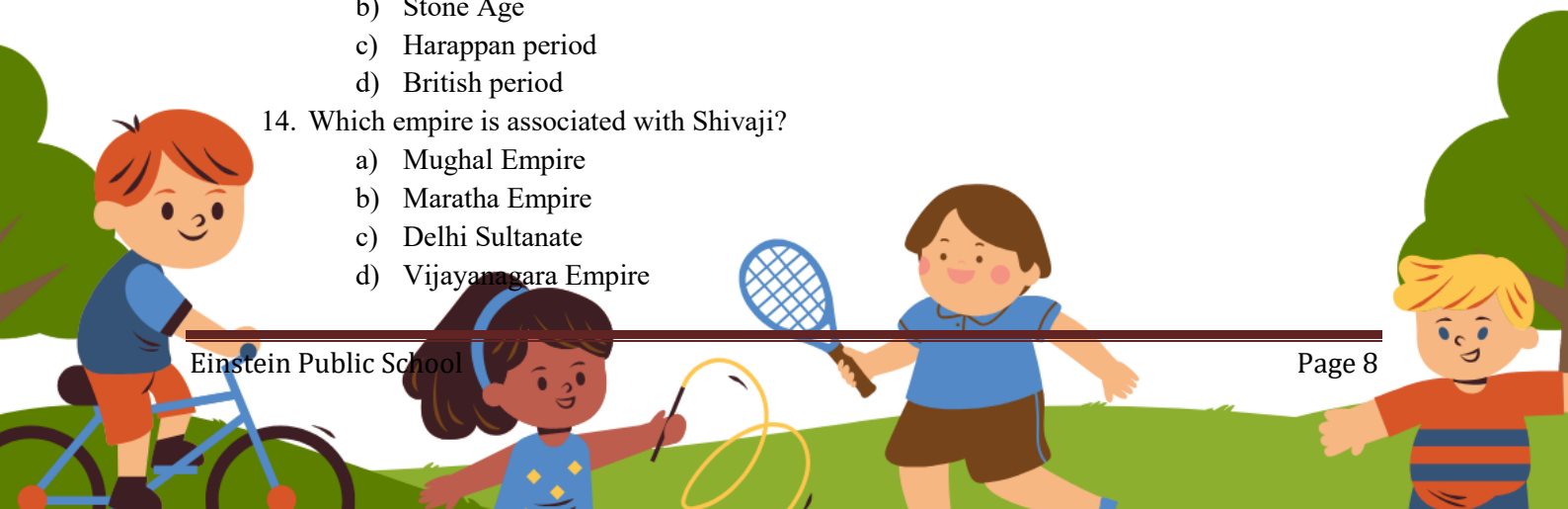
1. Resources provided by nature are called:
 - a) Human resources
 - b) Natural resources
 - c) Capital resources
 - d) Artificial resources
2. Which of the following is a renewable resource?
 - a) Coal
 - b) Petroleum
 - c) Sunlight
 - d) Natural gas
3. Soil erosion can be prevented by:
 - a) Deforestation
 - b) Plantation
 - c) Mining
 - d) Overgrazing
4. Water conservation means:
 - a) Wasting water
 - b) Protecting and saving water
 - c) Polluting water
 - d) None of these
5. Which resource is used for generating hydroelectricity?
 - a) Coal
 - b) Water
 - c) Soil
 - d) Forest



6. Excessive use of natural resources may lead to:
 - a) Conservation
 - b) Resource depletion
 - c) Development
 - d) Afforestation
7. Which one is a non-renewable resource?
 - a) Wind
 - b) Solar energy
 - c) Petroleum
 - d) Water

Reshaping India's Political Map

8. The Mughal Empire expanded mainly during the rule of:
 - a) Babur
 - b) Akbar
 - c) Humayun
 - d) Bahadur Shah
9. Vijayanagara Empire was located in:
 - a) North India
 - b) South India
 - c) East India
 - d) Western India
10. The Delhi Sultanate ruled mainly from:
 - a) Kolkata
 - b) Delhi
 - c) Agra
 - d) Jaipur
11. Which kingdom was famous in Assam?
 - a) Maratha Kingdom
 - b) Ahom Kingdom
 - c) Chola Kingdom
 - d) Pallava Kingdom
12. Regional kingdoms became powerful during the:
 - a) Ancient period
 - b) Medieval period
 - c) Modern period
 - d) Colonial period
13. Forts and palaces were important features of:
 - a) Medieval India
 - b) Stone Age
 - c) Harappan period
 - d) British period
14. Which empire is associated with Shivaji?
 - a) Mughal Empire
 - b) Maratha Empire
 - c) Delhi Sultanate
 - d) Vijayanagara Empire



Universal Franchise and India's Electoral System

15. Universal Adult Franchise means:
- Only educated people can vote
 - Only rich people can vote
 - Every adult citizen can vote
 - Only men can vote
16. The minimum voting age in India is:
- 16 years
 - 18 years
 - 21 years
 - 25 years
17. Elections in India are conducted by the:
- Parliament
 - Supreme Court
 - Election Commission
 - President
18. The right to vote is important because it:
- Strengthens democracy
 - Weakens democracy
 - Creates inequality
 - Stops elections
19. The machine used for voting in elections is called:
- ATM
 - EVM
 - Computer
 - Calculator
20. Free and fair elections are necessary for:
- Dictatorship
 - Democracy
 - Monarchy
 - Colonial rule

Section B – Critical Thinking Questions(2 × 5 = 10 Marks)

21. Suppose all forests in your area are cut down for construction work. What problems may arise? Suggest any four solutions to protect forests and natural resources.
22. Imagine that only rich people were allowed to vote in elections. How would this affect democracy? Why is Universal Adult Franchise important for equality?

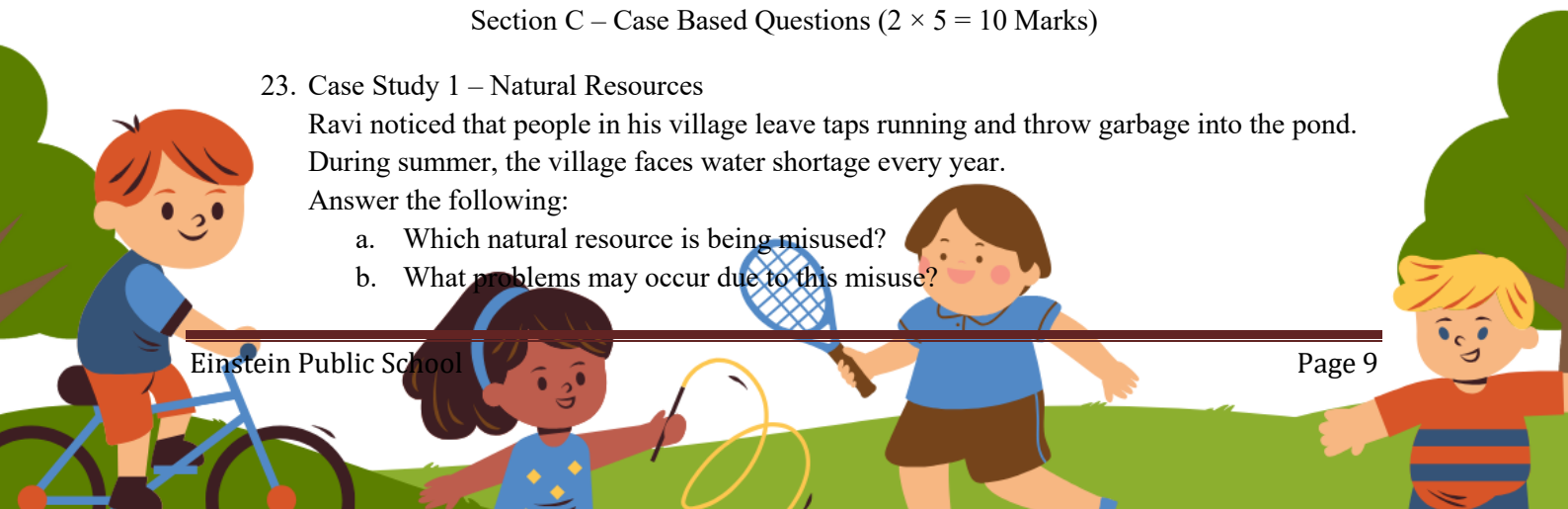
Section C – Case Based Questions (2 × 5 = 10 Marks)

23. Case Study 1 – Natural Resources

Ravi noticed that people in his village leave taps running and throw garbage into the pond. During summer, the village faces water shortage every year.

Answer the following:

- Which natural resource is being misused?
- What problems may occur due to this misuse?



- c. Suggest two methods to conserve water.
 - d. Why is public awareness important for conservation?
24. Case Study 2 – Elections in India
During school elections, some students tried to influence voters unfairly, while others demanded secret voting to ensure fairness.
Answer the following:
- a. Why should elections be fair?
 - b. What is secret voting?
 - c. Which institution conducts fair elections in India?
 - d. How do fair elections strengthen democracy?

Section D – Creative Activities

25. Chart Work (Any Two)
Chart Topics:
- a. Types of Natural Resources
 - b. Save Water Save Earth
 - c. Medieval Kingdoms of India
 - d. Election Process in India
 - e. Write Fundamental Rights and Fundamental Duties of Citizens
26. Map Activity
On an outline political map of India, mark:
- a. Delhi Sultanate
 - b. Mughal Empire
 - c. Vijayanagara Empire
 - d. Maratha Kingdom
 - e. Ahom Kingdom
27. Creative Presentation (Any One) Choose any one:
- a. Scrapbook on Medieval India
 - b. 3D Model of a Fort
 - c. Flow Chart on Election Process
 - d. Poster on Resource Conservation
 - e. Handmade Booklet on Democracy

Section E – Fun Learning

28. Slogan Writing Write any 5 slogans on: (on chart paper)
- a. Saving Natural Resources
 - b. Importance of Voting
29. Newspaper Activity
Paste:
- a. One environment-related news
 - b. One election-related news

Science

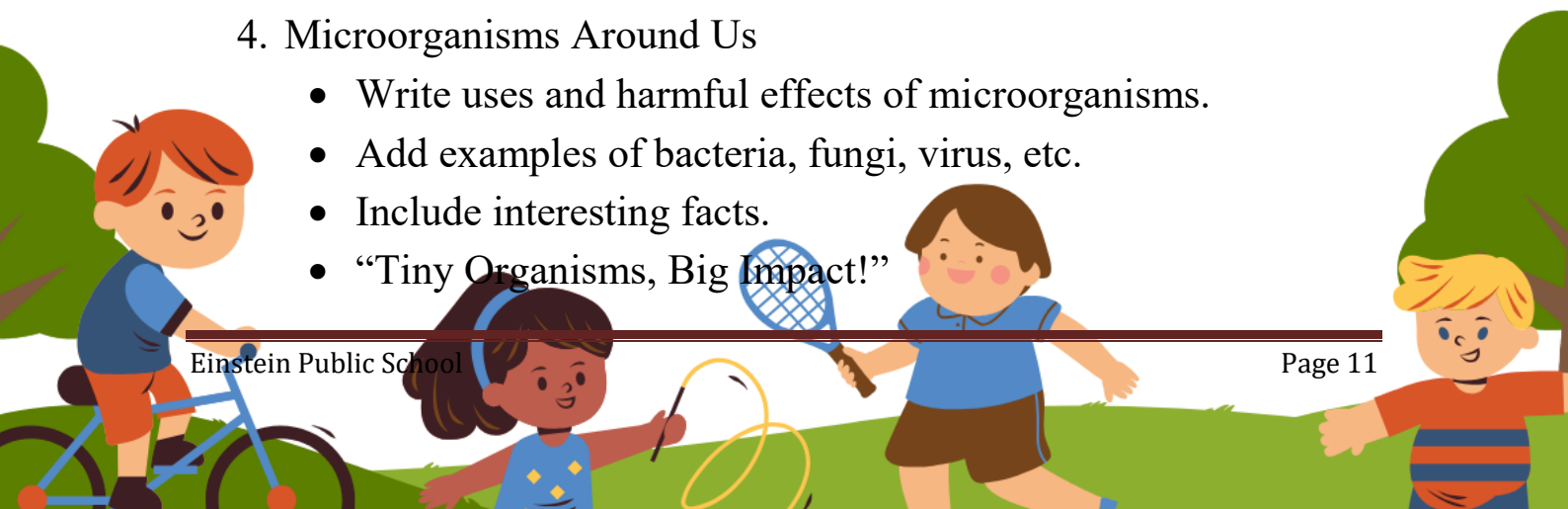
“Explore • Learn • Innovate”

- ❖ Make your work colorful, attractive, and neatly presented in a decorated file.
- ❖ Use charts, diagrams, pictures, borders, and creative headings.

PART – A: PROJECT WORK (Optional)

Choose ANY ONE Topic:

1. Save Environment – Save Earth
 - Make a chart/model on pollution control.
 - Include causes, effects & solutions
 - Add slogans and creative drawings.
 - “Go Green, Keep Earth Clean!”
2. Renewable Sources of Energy
 - Explain Solar, Wind & Hydroelectric Energy.
 - Paste pictures or draw diagrams.
 - Mention advantages over fossil fuels.
 - “Save Energy for a Better Future!”
3. Food Chain & Ecosystem
 - Draw a colorful food chain.
 - Explain producers, consumers & decomposers.
 - Show how balance in nature is maintained.
 - “Nature Works in Perfect Balance!”
4. Microorganisms Around Us
 - Write uses and harmful effects of microorganisms.
 - Add examples of bacteria, fungi, virus, etc.
 - Include interesting facts.
 - “Tiny Organisms, Big Impact!”



5. Light and Reflection

- Draw diagrams showing reflection of light.
- Make a simple periscope/model (Optional).
- Explain uses in daily life.
- “Light Makes the World Bright!”

PART – B : SCIENCE WORKSHEET

Section A – MCQs (20)

Choose the correct answer:

1. The basic unit of life is:
 - a) Organ
 - b) Cell
 - c) Tissue
 - d) Atom
2. Which gas is released during photosynthesis?
 - a) Carbon dioxide
 - b) Nitrogen
 - c) Oxygen
 - d) Hydrogen
3. The force acting against motion is called:
 - a) Gravity
 - b) Friction
 - c) Muscular force
 - d) Pressure
4. Which of the following is a renewable source of energy?
 - a) Coal
 - b) Petroleum
 - c) Solar energy
 - d) Diesel
5. Which microorganism helps in making curd?
 - a) Virus
 - b) Bacteria



- c) Algae
 - d) Protozoa
6. Plants prepare food in the presence of:
- a) Moonlight
 - b) Air
 - c) Sunlight
 - d) Soil
7. The SI unit of force is:
- a) Joule
 - b) Newton
 - c) Watt
 - d) Pascal
8. Which vitamin is obtained from sunlight?
- a) Vitamin A
 - b) Vitamin B
 - c) Vitamin C
 - d) Vitamin D
9. Sound cannot travel through:
- a) Solids
 - b) Liquids
 - c) Gases
 - d) Vacuum
10. The process of water changing into vapor is called:
- a) Condensation
 - b) Evaporation
 - c) Freezing
 - d) Melting
11. Which organ pumps blood in our body?
- a) Brain
 - b) Lungs
 - c) Heart
 - d) Kidney
12. Which layer protects Earth from UV rays?

- a) Ozone layer
 - b) Water layer
 - c) Soil layer
 - d) Dust layer
13. Which of these is NOT biodegradable?
- a) Vegetable peels
 - b) Plastic
 - c) Paper
 - d) Cotton
14. The transfer of heat in solids mainly occurs by:
- a) Radiation
 - b) Conduction
 - c) Reflection
 - d) Refraction
15. The boiling point of water is:
- a) 0°C
 - b) 50°C
 - c) 100°C
 - d) 200°C
16. Animals that eat only plants are called:
- a) Carnivores
 - b) Omnivores
 - c) Herbivores
 - d) Scavengers
17. Which instrument is used to see tiny microorganisms?
- a) Telescope
 - b) Microscope
 - c) Barometer
 - d) Thermometer
18. Which gas is mainly responsible for global warming?
- a) Oxygen
 - b) Nitrogen
 - c) Carbon dioxide

- d) Helium
19. Reflection of light occurs from:
- a) Rough surfaces only
 - b) Shiny surfaces
 - c) Transparent surfaces only
 - d) Paper surfaces
20. Which planet is known as the Red Planet?
- a) Venus
 - b) Mars
 - c) Jupiter
 - d) Saturn

Section B – Critical Thinking Questions

21. If all the trees on Earth disappeared suddenly, what effects would it have on humans, animals, and climate? Explain briefly.
22. Why should plastic be avoided even though it is cheap and useful? Suggest better alternatives.

Section C – Case-Based Questions

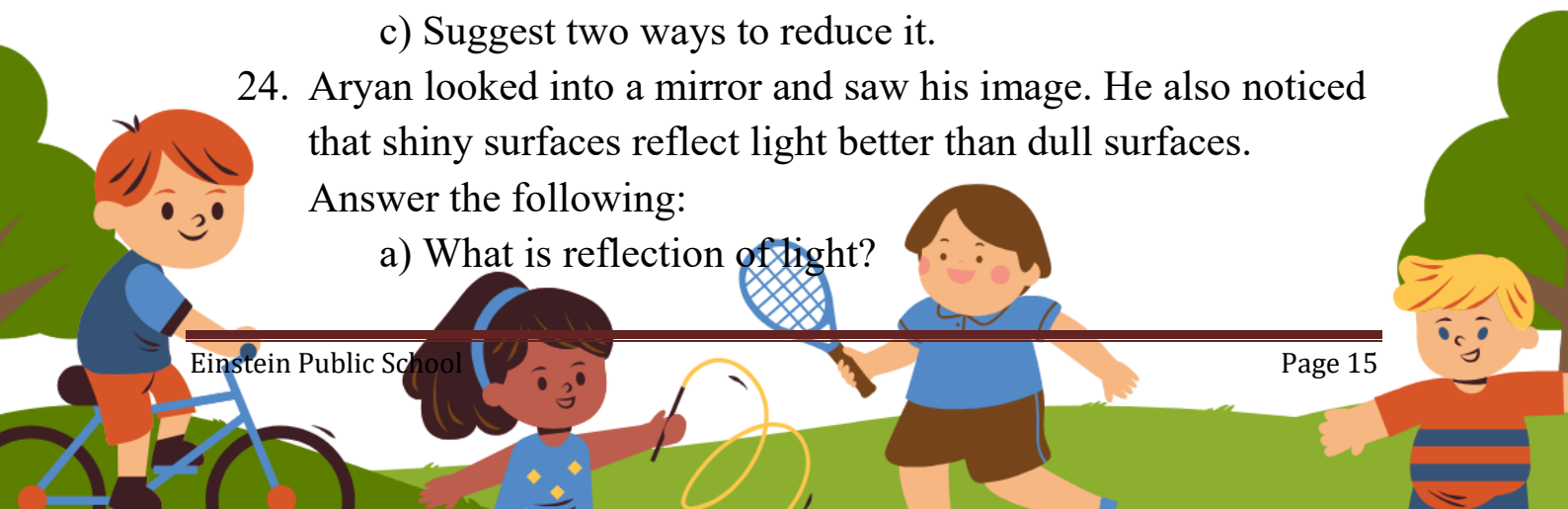
23. Riya noticed that smoke from vehicles and factories makes the air dirty. Many people in her city suffer from coughing and breathing problems.

Answer the following:

- a) Which type of pollution is mentioned here?
 - b) Write any two harmful effects of this pollution.
 - c) Suggest two ways to reduce it.
24. Aryan looked into a mirror and saw his image. He also noticed that shiny surfaces reflect light better than dull surfaces.

Answer the following:

- a) What is reflection of light?



- b) Why do mirrors form clear images?
- c) Name two objects that reflect light well.

FUN SCIENCE ACTIVITY (Optional)

25. Perform any ONE activity:

a) Make a Volcano Model

OR

b) Create a Rainbow using Prism/Water

OR

c) Grow a Plant and Record its Growth for 7 Days

Paste pictures/drawings in your file

General Instructions:

- ❖ Submit homework in a decorated file
- ❖ Maintain neat handwriting
- ❖ Draw labeled diagrams
- ❖ Use creative borders & headings
- ❖ Mention your Name, Class & Roll Number clearly

