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The Earth – Our Home

Key Concepts

In this lesson, we will learn about:

- Shape and Size of the Earth
- Earth's Surface
- Sky and the Horizon
- Coast



Warm-Up

Direct Perception

Once upon a sunny afternoon, a group of curious children gathered in the backyard; their eyes were sparkling with excitement. They had just finished reading a book about the solar system, and their minds were buzzing with questions.





Rejuggle

Mental Development

Rearrange the words correctly:

1. I N H O Z O R

HORIZON

2. S C A L O T A

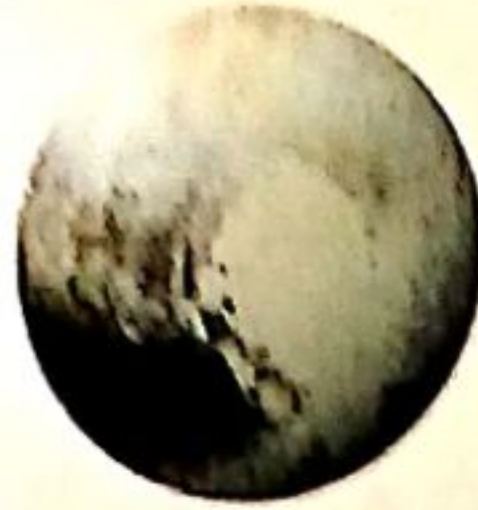
COASTAL



! Are you aware?

Pluto is no longer considered a planet. It is now considered as a dwarf planet.

Testimony



Sense of duty

Spread awareness about the importance of protecting variety of life and natural system.



Things I have learnt

- There are eight planets in the Solar System. Earth is one of the planets.
- Ferdinand Magellan was the first man to sail round the Earth.
- About 71% of the Earth's surface is water.
- The Earth is surrounded by air, which we call the Earth's atmosphere.
- The point where the Earth's surface and the sky seem to meet is called horizon.
- The place where land and sea meet is called coast.



Think and answer

A. Answer the following questions orally.

1. Which is the nearest planet to the Sun. *Mercury*
2. What is the name of the place where land and sea meet? *Coast*
3. Who are the people who travel in space? *Astronauts*

B. Tick (✓) the correct answers.

1. How many planets comprise the solar system?

a. Seven

b. Eight

c. Nine

Communication

- Which former planet is now considered as a 'dwarf' planet?
 - ✓ a. Pluto
 - b. Neptune
 - c. Saturn
- How much area of the Earth's surface is covered with water?
 - a. 61%
 - b. 81%
 - ✓ c. 71%
- The place where the sky and the Earth seem to meet is called
 - ✓ a. horizon
 - b. coast
 - c. heaven
- The place where land and sea meet is called
 - a. surface
 - ✓ b. coast
 - c. sky

C. Fill in the blanks. Choose words from the box.

eight round Portuguese 71% 10,000 29%

- Ferdinand Magellan was a Portuguese sailor.
- There are eight planets in the solar system.
- Earth is not completely round like a ball.
- Surface of Earth has 71% water and 29% land.
- Earth's atmosphere extends up to 10,000 km.

D. Write T for the True and F for the False statements.

- We all live on the Earth.
- Pluto is one of the planets of the solar system.
- Magellan went on a long journey in 1519.
- Astronauts have proved that the Earth is not completely round.
- The Earth and the sky appear to meet.

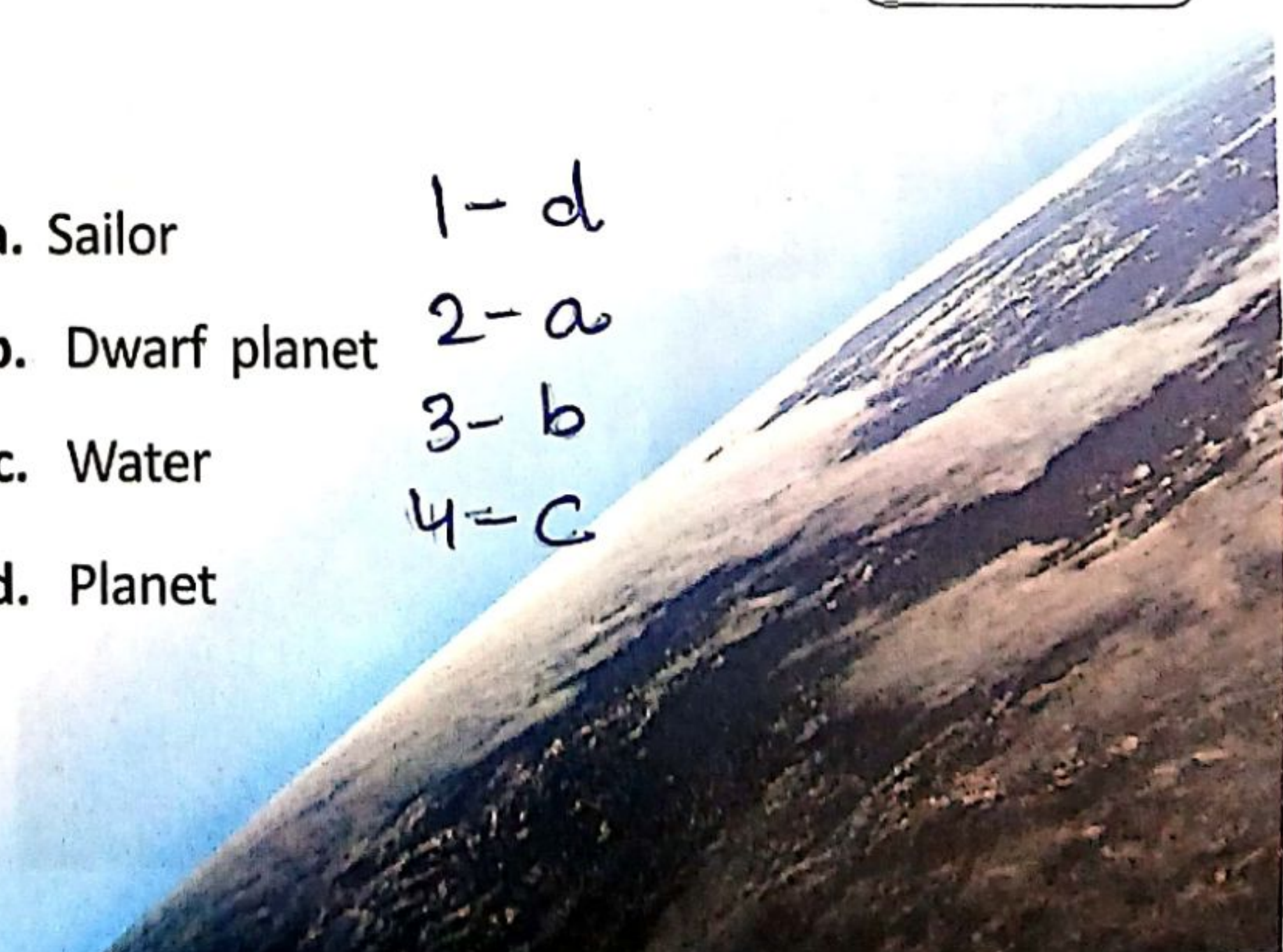
T
F
T
T
T

E. Match the following.

- | | | |
|---------------------------|-----------------|-------|
| 1. Venus | a. Sailor | 1 - d |
| 2. Magellan | b. Dwarf planet | 2 - a |
| 3. Pluto | c. Water | 3 - b |
| 4. 71% of Earth's surface | d. Planet | 4 - c |

F. Answer these questions.

- Who was Magellan?
- What is the shape of the Earth?



3. Why does the sky appear blue in colour?

4. How is the Earth helpful to us? **VALUE BASED QUESTION**

5. What is so unique about planet 'Earth'? **HOTS**

G. Inquiry based question.

Can there be life somewhere in the solar system outside Earth? Explain.

H. Art Integration based question.

Make a solar system by using recycled bottle caps and use it as a presentation in the class.



Do and learn

Mental Development

I. In the puzzle, some planets of the solar system are hidden. Find the following planets in the puzzle.

- MARS
- SATURN
- EARTH
- NEPTUNE
- VENUS

Z	D	U	S	N	S	I
V	P	M	A	R	S	X
N	E	P	T	U	N	E
C	A	N	U	T	M	F
O	R	V	R	A	J	N
B	T	E	N	S	I	W
A	H	S	L	O	B	U
V	E	N	U	S	D	E



Life skills

Earth is called the 'Mother Earth'. It is our duty to protect and preserve it. One of the ways to do: Plant a tree in a nearby park on your birthday every year.



Beyond the Book

Find out the names the first Indian man and woman who went into space. Write two lines about each of them.