

LOWER PRIMARY

Advance Science

E-Booklet Part 3





Science Understanding 2 - The Moon

Lower Primary Advance Science

Read the passage and answer the questions that follow.

The Moon is Earth's closest neighbour in space. It gives us soft light at night and helps make ocean tides. The Moon is made of rock and covered with dust, craters, and mountains. It has no air, no water, and no plants or animals living on it.



The Moon goes around Earth in a big circle. It takes about one month to go all the way around. The Moon looks bright, but it does not make its own light. It shines because sunlight bounces off its surface. Even though the Moon looks big in the sky, it is much smaller than Earth. Astronauts have visited the Moon and left footprints that are still there today.

The Moon also spins slowly. This spinning is called rotation. It takes the Moon the same amount of time to spin once as it does to go around Earth. Because of this, we always see the same side of the Moon. As the Moon moves, sunlight shines on different parts of it. This makes the Moon look different during the month. These changes are called phases, like the full moon and crescent moon. The Moon is important because it helps control tides and lights up the night sky.

Questions

1. What is the Moon made of?

- A. Ice and clouds
- B. Rock and dust
- C. Water and plants

☐

2. Why does the Moon look bright?

- A. It makes its own light
- B. It glows in the dark
- C. Sunlight shines on it

☐

3. How long does it take the Moon to go around Earth?

- A. One month
- B. One day
- C. One year

☐

4. Why do we always see the same side of the Moon?

- A. It hides the other side
- B. It spins at the same speed it orbits
- C. It does not move

☐

5. What are Moon phases?

- A. The Moon changing colors
- B. The Moon looking different during the month
- C. The Moon getting big

☐

6. What helps make ocean tides on Earth?

- A. The Moon's pull
- B. The stars
- C. The clouds

☐



Science Understanding 2 - The Moon - Solutions

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The Moon also spins slowly. This spinning is called rotation. It takes the Moon the same amount of time to spin once as it does to go around Earth. Because of this, we always see the same side of the Moon. As the Moon moves, sunlight shines on different parts of it. This makes the Moon look different during the month. These changes are called phases, like the full moon and crescent moon. The Moon is important because it helps control tides and lights up the night sky.

Questions

- | | | | |
|---|--------------|--|--------------|
| 1. What is the Moon made of?
A. Ice and clouds
B. Rock and dust
C. Water and plants | <div>B</div> | 4. Why do we always see the same side of the Moon?
A. It hides the other side
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| 2. Why does the Moon look bright?
A. It makes its own light
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Hot or Cold

Lower Primary Advance Science

Label the objects that are hot or cold..

























Hot or Cold - Solutions

Lower Primary Advance Science

Label the objects that are hot or cold..



cold



hot



hot



hot



cold



cold



hot



cold



hot



cold



hot



cold

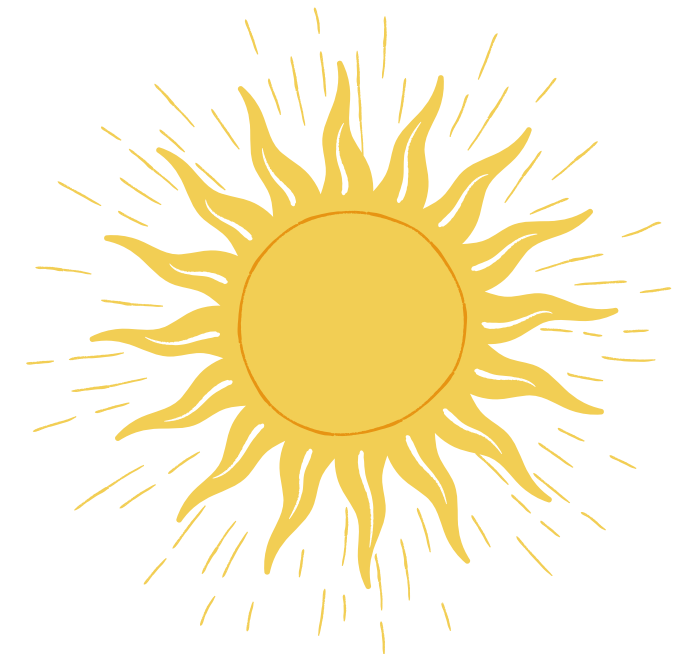


Science Understanding 1 - The Sun

Lower Primary Advance Science

Read the passage and answer the questions that follow.

The Sun is a star that gives Earth light and heat so plants, animals, and people can live. It is a huge ball of hot gas at the center of our solar system.



Earth orbits the Sun, which means it travels around it in a big circle once a year. The Sun looks small because it is very far away, but it is much bigger than Earth. Never look directly at the Sun, its bright light can hurt your eyes. The Sun is made of gases like hydrogen and helium. The Sun helps plants grow through photosynthesis, where they use sunlight to make food.

The Earth turns or spins like a top. This spinning is called rotation. It takes about one whole day for Earth to turn once. When Earth turns, different parts face the Sun, so we get daytime and nighttime. The side facing the Sun has daylight and feels warm, while the side turned away from the Sun is dark and cool. This turning is why the Sun seems to rise in the east and set in the west every day. The Sun supports all life with warmth and light.

Questions

1. What is the Sun?

A. planet

B. A star

C. A moon

☐
2. Where is the Sun in our solar system?

A. At the center

B. Next to Earth

C. Behind the Moon

☐
3. What is the Sun made of?

A. Oxygen

B. Water

C. Hydrogen and helium

☐
4. What does "orbit" mean?

A. Earth spins

B. Earth goes around Sun

C. Earth stays still

☐
5. What causes day and night?

A. Earth turns

B. Earth orbits

C. Sun moves

☐
6. Why not look at the Sun?

A. It hurts eyes

B. It makes you cold

C. It goes away

☐

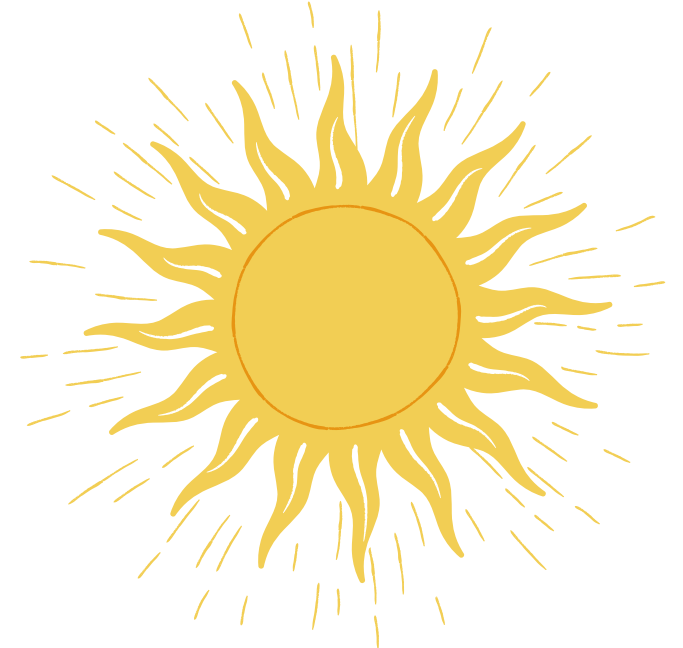


Science Understanding 1 - The Sun - Solutions

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| 3. What is the Sun made of?
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B. Water
C. Hydrogen and helium | <div>C</div> | 6. Why not look at the Sun?
A. It hurts eyes
B. It makes you cold
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Materials

Lower Primary Advance Science

Label the objects with the materials that they are made up of.

fabric

glass

metal

wood

plastic

rubber

leather

paper

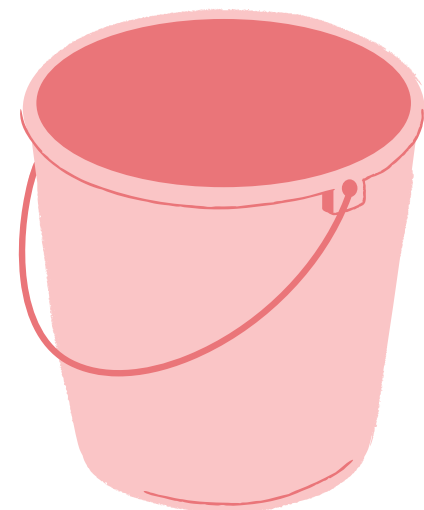


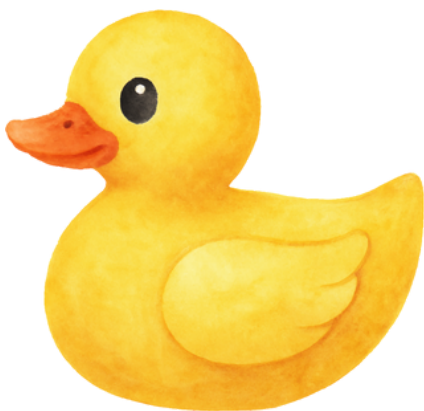
















Materials - Solutions

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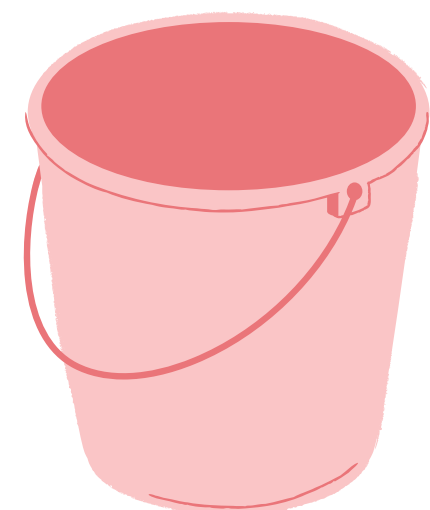
rubber



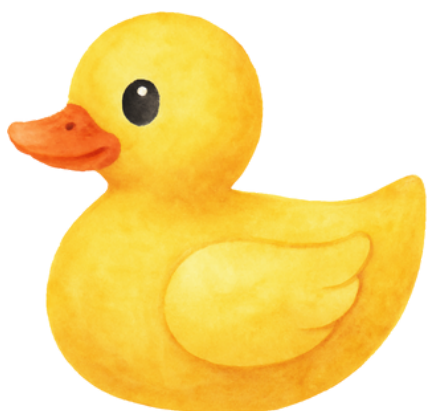
fabric



wood



plastic



rubber



paper



metal