Chapter 13 Water on the Earth



3.1 Water in Natural World

Lesson 1: "Sources of Water"

Look around us! We can find water in many places.



Where does water come from?

Activity : Finding water around us

What to Do:

1. Draw a table like the one shown below.

Where can you find water?

Where can you find water in your environment?

- 2. Make a list of where you can find water in the table.
- 3. Share your ideas with your classmates. Talk about where water comes from.





Caller -

Water can be found in many places on the earth. The place where water comes from is called <u>source of</u> <u>water</u>. Sources of water can be classified into two groups; natural sources and man-made sources of water.

There are two

types of water; salt water and fresh water!

Natural Sources of Water

Rain, oceans, rivers, lakes, streams, ponds and springs are natural sources of water. Salt water can be found in oceans and seas. Rivers, lakes, streams, ponds and springs have fresh water. Fresh water is also found underground.



Natural sources of water

Man-made Sources of Water

Dams, wells, tube wells, water taps and hand-pumps are man-made sources of water.



Man-made sources of water

Lesson 2: "Puddle Is Gone!"

We find puddles on the ground after rain. After a while, the puddle disappears.



Where has the puddle gone to? Activity : Finding where water goes What We Need: two glasses, water, rubber band, plastic wrap, marker pen What to Do: 1. Pour same amount of water into two glasses and label them A and B. Put a mark at the water level on the glasses with a marker. 2. Cover glass B with a plastic wrap and tie it with a rubber band. 3. Place the glasses in a sunny place for 5 to 6 hours. 4. Observe the amount of water in the glasses and on the wrap. 5. Share your observation with your classmates. Can you guess what will happen to the water in Glass A and Glass B? Glass A Glass B

Result

The amount of water in Glass A has decreased. But the amount of water in Glass B did not change. When we observe the plastic wrap, we found some water droplets on the wrap.



Discussion

Where has the water gone to?

1. Think about the following questions based on the results:

• Why did the amount of water in Glass A decrease?

- Why are some droplets observed on the plastic wrap of Glass B?
- 2. Talk about where water has gone to.

Summary

Water always leaves the surface of water and ground and goes up into the air as water vapour. The change of state of water from liquid to gas is called <u>evaporation</u>.



Think about what happens to the water in glass B!



droplets

Glass B

Lesson 3: "Water in Air"

We learnt that water vapour leaves the surface of water and goes into the air. Does water vapour really exist in the air?



Result

Droplets can be seen on the surface of Glass B, but droplets are not seen on the surface of Glass A.





droplets(water)



Where do droplets come from?

1. Think about the following questions based on the results:

Put your fingers on the surface of the two glasses. What is the difference between them?

- What condition is different in Glass A and Glass B?
- Why are droplets formed only on the surface of Glass B?
- 2. Talk about where the droplets came from with your classmates.

Summary

Droplets on the surface of the glass come from the water vapour in the air. When air comes into contact with a cold surface, the air cools down. Water vapour in the air cools down and is presented as droplets on the cold surface.

Water vapour changes into water by cooling. The change of state from air dr to liquid is called <u>condensation</u>.



Condensation

Lesson 4: "Water Cycle"

Almost 70 percent of the earth's surface is water. Water can be found in oceans, rivers and as rain on the earth. Where does rain come from? Where does the water in oceans and rivers go to?



Water never runs out on Earth. Water on the Earth is always moving through the water cycle. The <u>water cycle</u> is the movement of water between the air and the Earth as water changes its state.

When heat from the Sun is added to water in oceans and rivers, liquid water evaporates and forms water vapour in the air. As water vapour rises in the air, it cools and condenses into tiny droplets. These tiny droplets form clouds. The tiny droplets in clouds become

larger and heavier. These larger water droplets fall back to Earth as **precipitation**. Precipitation is any form of water that falls from clouds such as rain, snow and hail. Some precipitation are collected in oceans and rivers. Some are soaked into the ground and become groundwater.Water on the Earth moves between the air and the Earth by changing its state from one form to another over and over again.



Precipitation as hail



Summary 13.1 Water in Natural World

Sources of Water

Summary

and Exercise

The sources of water can be classified into two groups called natural sources and man-made sources of water.









Puddle is Gone

- Water changes into water vapour when heat is added to water.
- The process of changing water from liquid state to gaseous state is called evaporation.

Water in Air

- Water vapour changes into water by cooling.
- The process of changing water from gaseous state to liquid state is called condensation.

Water Cycle

The water cycle is the movement of water between the air and the earth as water changes state.





Exercise 13.1 Water in Natural World

- Q1. Complete each sentence with the correct word.
 - The place where water is found on the Earth is called _____ of water.
 - (2) Two main sources of water are natural sources and sources of water.
 - (3) The change of state from water vapour to water is called_____
- Q2. Choose the letter with the correct answer.

For question (1) and (2), refer to the diagram below showing the water cycle.

- (1) Which part of this cycle includes the rain?
 - A. Evaporation
 - B. Precipitation
 - C. Condensation
 - D. Runoff



- (2) Which of the following allows water to move from the ocean to the air?
 - A. Evaporation
 - B. Precipitation
 - C. Condensation
 - D. Runoff

Q3. Where can fresh water be found? Write down 2 examples.

Q4. Describe what happens to water as it moves through the water cycle.

3.2 Water and Human

Lesson 1: "Importance of Water for Our Life"

Water is very important. Without water we cannot survive. Why is water so important to us?



How do we use water in our daily lives?



Activity : Finding uses of water in daily

What to Do:

1. Draw a table like the one shown below.

How do we use water?

- 2. Make a list of how we use water in our daily lives in the table.
- 3. Share your ideas with your classmates. Talk about why water is



Water is very important in our daily lives. We use water in many ways. Water is used for drinking, preparing food, washing hands and clothes. When we take a shower we use water too.





Drinking water

Water is also used for agriculture and fish farming. When we grow crops or fish, water is required because plants and fish need water to grow and survive.

Water is widely used for generating electricity. Many power plants are built near a river, waterfall and dams to generate electricity.



Fish farm



Power plant

Lesson 2: "Water Pollution"

Water is very important to us. We need clean water to survive but sometimes we find dirty water in rivers or oceans.



The addition of harmful things into the water is called <u>water</u> <u>pollution</u>. Waste, sewage, oil and detergent spilled in water are harmful things.



Water pollution happens when

Water pollution

harmful things get into water. Water pollution has many causes. When we throw away rubbish into water, it may cause water pollution. Oil from ships spilled into the ocean may cause water pollution. Waste, sewage and oil from factories, homes and farms are common causes of water pollution.



Rubbish in water

Polluted water can make people sick if they drink it. It is also harmful to plants and animals. Polluted water can kill water plants and can cause fish to die .



Oil from ship



Water pollution causes fish to die.

Lesson 3: "Keeping Water Clean"

Water pollution is harmful to all living things. Polluted water can make people and animals sick or die if they drink or swim in it.

?	How can we solve the problems of water pollution?	

Activity : Ways to save our water

What to Do:

1. Draw a table like the one shown below.

What can you do?

- 2. Make a list of what you can do to solve the problems of water pollution in the table.
- 3. Share your ideas with your classmates. Talk about the ways that you can solve the problem of water pollution.



We can solve the problems of water pollution in many ways. We can help to reduce water pollution by picking up rubbish on the beach, lake and river. We can help keep water clean by cleaning up oil in water.

We can prevent water pollution by reducing the amount of harmful things that is put into the water. The following are some simple tips to help prevent water pollution;

- Avoid throwing away rubbish into ponds, rivers, lakes or oceans.
 Always look for the rubbish bin.
- Don't throw paints, used oil or other forms of litter down the drainage pipes.
- Use environmentally friendly household products, such as washing powder and household cleaning agents.



Children pick up rubbish on the beach.



Putting rubbish in a rubbish bin helps prevent water pollution.



Do not throw oils down the drainage pipes.



"What can you do to prevent water pollution?"

- 1. Make a list of your rules to prevent water pollution.
- 2. Share your ideas with your classmates and decide on the common rules.

Summary 13.2 Water and Human

Importance of Water for our life

Water is important for our daily life. We use water in many ways.



Water Pollution

Summary

and Exercise

Water pollution happens when harmful things get into the water.

Causes of water pollution

- 1. Throwing rubbish into water sources.
- 2. Oil spilled into oceans from ships.
- 3. Dumping of waste and sewage from factories, homes and farms into water sources.

Keeping Water Clean

Water pollution is harmful to all living things. Polluted water can make people and animals sick or die if they drink or swim in it.

Ways of keeping water clean

- 1. Avoid throwing rubbish into water sources.
- 2. Avoid throwing paints, oils or other forms of litter down the drainage pipe.
- 3. Use environmentally friendly household products.



Exercise 13.2 Water and Human

- Q1. Complete each sentence with the correct word.
 - (1) The addition of harmful things to water causes _____ pollution.
 - (2) Water pollution may occur when ______ from ships are spilled into the ocean.
 - (3) Water pollution can be prevented by picking up_____ at the beach, lake and river.
 - (4) Water is most widely used for generating_____.
- Q2. Choose the letter with the correct answer.
 - (1) Which of following would cause water pollution?
 - i. Throwing away rubbish into the river
 - ii. Pouring used oil down the drainage pipe
 - iii. Picking up rubbish on the beach
 - A. i and ii B. i and iii
 - C. ii and iii D. i, ii and iii
 - (2) We use detergents to wash dishes. What is the best way to prevent water pollution caused by the detergents?
 - A. Pouring it down the drain.
 - B. Throwing its empty bottle into the ocean.
 - C. Reducing the amount to use.
 - D. Throwing it away into the river.
- Q3. Answer the following questions.
 - (1) Why is water important for our daily lives? Write down two reasons.
 - (2) How can we help prevent water pollution? Write down two ways.
- Q4. Water is a natural home for many plants and animals. How will the fish living in the polluted water affect human health?

Chapter 13 •Science Extras•

Water in our body

Water is one of the most important things for all living things to survive. Up to 60 percent of the human adult body weight comes from water. Babies and kids have more water than adults. For newborn babies, 78 percent of their weight is water.

A boy who has 40 kg of body weight has about 24 kg of water that is equivalent to forty eight 500 mL bottles of water.

Each day, we must take in a certain amount of water. Generally, an adult male needs about 3 litres per day while an adult female needs about 2.2 litres per day. All of the water a person needs does not have to come from drinking liquids, as some of this water is contained in the food we eat.



About 48 bottles of water (500 mL) is equivalent to the amount of water inside the boy whose body weight is 40 kg. 1 bottle of water (500 mL) contains 0.5 kg of water. 48 bottles times 0.5 kg is 24 kg of water.



Chapter Test



3. Water on the Earth



- Complete each sentence with the correct word.
- (1) Sources of water can be classified into _____ sources of water and _____ sources of water.
- (2) _____ is any form of water that falls from clouds.
- (3) Water pollution is the addition of _____ into water.



Choose the letter with the correct answer.

(1) Which of the following shows the change of state of evaporation?

- A. From gas to liquid.
- B. From solid to liquid.
- C. From liquid to gas.
- D. From solid to gas.

(2) What is the function of clouds in the water cycle?

- A. Clouds carry water from the ocean and drop it as rain.
- B. Clouds fall down on Earth to cool the temperature.
- C. Clouds prevent the heat from the sun to protect the fish in the ocean.
- D. Clouds take in polluted water from the ocean and keep its water clean.

(3) Which is not a cause of water pollution?

- A. Sewage
- B. Compost
- C. Rubbish
- D. Oils from ships

(4) Which action can prevent water pollution?

- A. Don't drink natural water because it might be dirty.
- B. Throw away plastic bags into the river after shopping.
- C. Throw cooking oils down the drain because it is liquid.
- D. Use environmentally friendly household products.



For question (1) and (2), refer to the diagram below showing the water cycle.



(1) Which letter shows water condensing?

(2) How can water vapour in air return to Earth?



(1) When you arrive at school on a rainy day, your rain hat is covered with water drops. At the end of the day, your rain hat is dry. What kind of change has taken place?

(2) Grace put some ice in a glass and left them for a few minutes as shown on the right. After that, she observed droplets on the surface of the glass.Where did the droplets come from?

And how are they formed?



Chapter 14 Structures and Movement of Human

ls it our hand? But....

What are the white parts in the hand?

4 1 Bones and Muscle

We can move our body freely. We can walk, throw a ball and lift things. How can we move our body? Let's investigate our body.

Lesson 1: "Our Bones"

We have a lot of bones in our body. How do our bones help us? How do our bones work?



Activity : Observing bones

What to Do:

- 1. Draw a picture of an arm as shown below.
- 2. Touch and move your arm and predict how the bones are structured in your arm.
- 3. Draw the bones in the picture based on your prediction.
- 4. Share your ideas with your classmates. Talk about how the bones in the arm help us.

You can investigate the arm bones by checking your friend's arm.





Our body is made up of a lot of **bones**. The adult human body has 206 bones. The bones are growing and changing all the time as we grow.



A group of bones that gives body shape and support, protects the organs inside the body and allows us to move in many ways is called the **skeletal system**. A **system** is a group working together to do a particular work. A group of bones forms our body to work together.

Lesson 2: "Bending Body Parts"

Our body is made up of a lot of bones. These bones help us to move in many ways.





How do the bones help us when we bend our body parts?

- 1. Think about the following questions:
 - Do we bend our bones when we bend our body parts?
 - If not, how are the bones arranged to bend our body parts?
- 2. Talk about your ideas with your classmates.

Summary

We can bend parts of our body where two bones join together. The place in the body where two bones meet is called a joint. For example, our knees and elbows are joints. Without the joints, it would not be possible to raise our hands or knees.



Joints in an arm





An X-Ray of a hand



Lesson 3: "Animals With or Without Bones"

People have a lot of bones in their bodies. How about animals? Do they have bones in their bodies?



Some animals have bones but some do not have. Animals can be classified into two groups based on whether or not they have a backbone. A backbone helps to support their body.

Animals with a Backbone

Fish, amphibians, reptiles, birds and mammals are animals with a backbone.



Reptile (crocodile)

Animals without a Backbone

Most of the animals on the Earth do not have a backbone. Insects, crabs, spiders and earthworms are examples of animals without a backbone. Some animals live on land and some live in water.



Crab

Can you give other examples of animals without a backbone?





Earthworm

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X

Spider

Lesson 4: "Our Muscles"

We have a lot of bones in our body. We also have muscles in the body. How do our muscles help us? How do our muscles work?



Our body is made up of muscles. The muscles are under our skin and they cover our bones. We have more than 600 muscles in our body. Muscles work by contracting and relaxing. When muscles contract, they get shorter and thicker. When muscles relax, they get longer and thinner. Muscles work together to help us move. Muscles help keep us upright. They also give our body the power to lift and push

things. A group of muscles that make the parts of our body move is called the **muscular system**.

Exercise helps keep our muscles strong. If we do not use our muscles they can become weak. Muscular system of our body



relaxing Movement of muscles



Exercise helps keep our muscles strong.

Lesson 5: "Moving Body Parts"

We have bones and muscles in our body. Bones and muscles help us move our body parts.



Result

If a rubber band is attached to points A and B, the rubber band is stretched when the model of the arm is stretched and it gets shorter when the model is bent. If the rubber band is attached to the points A and C, it does not change when the model is stretched or bent.

Summary

The bones and muscles make our body move. Most of our muscles are attached to the bones with tendons. Tendons are like strong rubber bands. Muscles are attached at one end of one bone and at the other end of another bone.





Muscles move the body by contracting against the bones. By contracting, muscles pull on bones and allow the body to move. For example, the biceps and triceps are a pair of muscles in our arms. When the biceps contracts, it pulls on bones. This allows our arms to bend. When the triceps contracts, it pulls on bones. This allows our arms to straighten. When we bend our arms, biceps contracts and triceps relaxes. When we straighten our arms, triceps contracts and biceps relaxes.



Summary ^{and} Exercise

Summary 14.1 Bones and Muscle

Our Bones

Our body is made up of a lot of bones.

- The bones give body shape, support and protect the organs inside the body, and allow us to move in many ways.
- A group of bones that forms our body is called the skeletal system.

Bending Body Parts

The body parts where two bones join together is called the joint. We can bend the parts of our body at the joints.



Animals With or Without Backbones

Animals can be classified into two groups according to whether they have a <u>backbone</u> or not.

Our Muscles

- Our <u>muscles</u> cover the bones and are under the skin in our body.
- Muscles work by <u>contracting</u> and <u>relaxing</u>.
- A group of muscles in our body is called the muscular system.

Moving Body Parts

Most of our muscles are attached to bones with <u>tendons</u>. When muscle contract against the bone, they pull on bones and allow the body to move.

The biceps and triceps are pair of muscles in our arms		
When arm is bent	When arm is straighten	
- Biceps contracted	- Biceps relaxed	
- Triceps relaxed	- Triceps contracted	



Exercise 14.1 Bones and Muscle

- Q1. Complete each sentence with the correct word.
 - (1) The _____ give the body shape and support our body.
 - (2) Our bones are arranged with _____ between two bones to allow our body parts to bend.
 - (3) Fish, amphibians, reptiles, birds and mammals are all animals _____ backbones.
 - (4) Spiders, crabs, worms and slugs are all animals ______ backbones.
- Q2. Choose the letter with the correct answer.
 - (1) According to the diagram below, what happens to the bicep and tricep muscles when the arm is straightened?
 - A. Biceps relax and triceps contract.
 - B. Biceps and triceps relax.
 - C. Triceps relax and biceps contract.
 - D. Triceps and biceps contract.
 - (2) Where will the rubber band be connected to so that the model of arm will move just like the real arm?
 - A. I to II
 - B. II to IV
 - C. I to IV
 - D. II to III
- Q3. Study the picture on the right and answer the questions below.
 - (1) What is the name of the part labeled 'W'?
 - (2) What is the name of the muscle labeled 'X'?
 - (3) What the name of the muscle labeled 'Y'?
 - (4) When the arm is bent as shown in the diagram, how do the muscles labeled X and Y move?
- Q4. What would happen if your body did not have a skeletal system?



Rubber band

Chapter 14 •Science Extras•

Do the number of bones change in our life?

We learnt that an adult human body has 206 bones. Do you think the number of bones change through our lives? In fact, a baby's body has about 300 bones at birth. It's more than that of an adult. Do we lose some bones? As the baby grows, some bones join together to make one big bone. Eventually, these bones grow together to form 206 bones that an adult has. By the time you are about 25 years old, this process will be completed. After this happens, there can be no more changes.




4. Structure and Movement of Human



Chapter Test

- Complete each sentence with the correct word.
 - (1) The _____ protect the organs inside the body and allow us to move in many ways.
 - (2) When we raise our hands, which joint do we bend _____
- (3) If we don't use our _____, they can become weak. To keep them strong, we need to exercise.



Choose the letter with the correct answer.

(1) Which of these animals has a backbone?

- A. Spider
- B. Crab
- C. Frog
- D. Worm

(2) Which sentence is true about the tendon?

- A. Muscles are attached at two ends of one bone with a tendon.
- B. Muscles are attached to different bones with tendons.
- C. Bones are attached to other bones with tendons.
- D. Muscles are attached to other muscles with tendons.

(3) Which sentence is not true about the bones?

- A. The adult human body has 206 bones.
- B. The bones are hard and do not change during a person's life time.
- C. The bones allow us to move in many ways.
- D. Skeletal system is a group of bones that forms our body.

(4) Which of following is not an example of a joint?

- A. Tongue
- B. Wrist
- C. Knee
- D. Elbow

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 The picture on the right shows the changes of arm muscles when you bend your arm. Describe what happens to your bicep and tricep muscles.

(2) Observe the two pictures on the right. Describe the differences of their skeleton between the crab and lizard.



(3) According to the 'hand x-ray' picture on the right, how many finger joints are there?



_izard



(1) Why is it better for an adult's skull to have immovable joints and not movable joints.

(2) What would happen if the muscles in our body do not contract?

Chapter 15 The Moon

Is it the Moon? Wow, we can see some structures!

We have learnt about the Sun. Does the Moon look similar to the Sun?

Ö

5 Moon in the Sky

Lesson 1: "Moon"

Look at the night sky. What do you see? We can see the Moon and stars in the sky.



What is the Moon?



Activity : Surface of the Moon

What to Do:

1. Draw a table like the one shown below.

Your findings

- 2. Look at the picture of the Moon on the left and below.
- 3. Write your findings about the surface of the Moon in the table.
- 4. Share your findings with your classmates. Talk about what you



Summary

The Moon is a space object. It is a large sphere made of rock. The surface of the Moon is covered with <u>craters</u>, hills, mountains and valleys.



We can see craters, hills, mountains and valleys on the surface of the Moon.

The Moon is smaller than the Earth. It is about a quarter of the Earth's diameter. The Moon appears quite large because it is close to the Earth.



The Moon is a quarter of the diameter of the Earth.

Unlike the Sun, the Moon does not make its own light. We can see the Moon because it reflects the light from the Sun.



Lesson 2:

"Movement of the Moon in the Sky"

When we look at the Moon at different times of the day, we can see it at different location.







Summary

The Moon rises into the sky in the East, moves across the sky at its highest position and sets in the West.

The movement of the sun



The Moon seems to move from east to west during the day.

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Lesson 3: "Changing Moon"

When we observe the Moon in the sky, the moon's shape looks a little different every night.

Provide the Moon seem to change its shape? Activity: Changing shapes of the Moon Moon What to Do: 1. Draw a table like the one shown below. Date Shape of the Index of the Moon

- 2. Look at the night sky and observe the Moon.
- 3. Write the date and draw the shape of the Moon in the table.
- 4. Repeat Steps 2 and 3 for five days.
- 5. Share your findings with your classmates.

Let's compare your observation with what your classmates observed and talk about how the Moon changes.



Result

The Moon seems to change its shape every night.

Date	10th Oct	11th Oct	12th Oct	13th Oct	14th Oct
Shape of the moon					

Example of results from observations on the shape of the Moon.

Summary

Do you think that the Moon changes its own shape?



The Moon seems big and round on some nights. On other nights, it looks small and half round-shaped. The Moon does not change its shape, but the bright part of the Moon changes its shape every night. The changing shapes of the bright part of the Moon that we see are called **phases of the Moon**. There are different phases of the Moon. The phases repeat every 29.5 days.



Summary ^{and} Exercise

Summary 15.1 Moon in the Sky

Moon

- The moon is a space object. It is a large sphere made of rock.
- The surface of the moon is covered by craters, hills, mountains and valleys.
- The moon is smaller than the Earth and does not make its own light.
- The moon reflects light from the sun.

Movement of the Moon in the Sky

- The moon changes its position in the sky as time goes by.
- The moon rises into the sky in the East, moves across the sky and sets in the West during the day.



The Changing Moon

- The moon does not change its shape. The bright part of the moon changes its shape every night.
- The bright part of the moon are called **phases of the moon**. The following diagrams show the different phases of the moon.





Exercise 15.1 Moon in the Sky

- Q1. Complete each sentence with the correct word.
 - (1) The_____ is the closest space object to the Earth, that is a large sphere made of rocks.
 - (2) The changing shapes of the brighter part of the moon are called_____ of the moon.
 - (3) The moon rises in the_____, moves across the sky and sets in the_____.
- Q2. Choose the letter with the correct answer.
 - (1) Look at the picture on the right and answer the question.

Β.

What is the name of the round shaped structure on the moon surface?



- A. Ocean C. Valley
- B. Crater D. Lake
- (2) What phase of the moon will come next in the sequence shown below?



C.

D.

Q3. Answer the following questions.

Α

- (1) What is the name of the last moon phase before the new moon?
- (2) Why does the moon shine?
- (3) How many days does it take for the phases of the Moon to repeat?
- Q4. What is the similarity between the Moon and the Sun's movement in the sky?

Chapter 15 •Science Extras•

Standing on the Moon

Is there any person who has stood on the Moon in human history? The answer is "yes".

Apollo 11 was the first mission organised to send people to the Moon. On July 20, 1969, two American astronauts became the first humans to land on the Moon's surface. Neil Armstrong was one of the astronauts. The moment he set foot onto the moon and took the first step, he said "That's one small step for man and one giant leap for mankind".





Astronaut and space craft on the Moon



15. The Moon



Chapter Test

- Complete each sentence with the correct word.
- (1) The Moon is a _____object.
- (2) The surface of the Moon is covered with _____, hills, mountains and valleys.
- (3) The Moon reflects the light from the_____.



Choose the letter with the correct answer. (1) What is the Moon made of?

- A. Water
- B. Rocks
- C. Air
- D. Plants
- (2) From what direction does the Moon seem to move in the sky during the day?
 - A. From east to west
 - B. From west to east
 - C. From north to south
 - D. From south to north

(3) How often can a full Moon be seen?

- A. Once a year
- B. Once each session of the year
- C. About once each month
- D. About once each week

(4) How many days does the Moon take to orbit the Earth?

- A. 27days
- B. 28 days
- C. 29.5 days
- D. 30 days

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(1) Dave observed the night sky and noticed that the Moon appears quite large. Why does the moon appear quite large?

(2) What is the name of the Moon phase shown in the diagram on the right?



(3) Which of following letters is the correct order of phases of the Moon?

3.

Waning Crescent



New Moon

A. $1 \Rightarrow 3 \Rightarrow 4 \Rightarrow 2$ B. $1 \Rightarrow 4 \Rightarrow 2 \Rightarrow 3$ C. $2 \Rightarrow 1 \Rightarrow 3 \Rightarrow 4$ D. $2 \Rightarrow 4 \Rightarrow 3 \Rightarrow 1$



Full Moon



Last Quarter