شرح درس تحديد الاتجاهات باستخدام الشمس والنجوم مع أسئلة تدريبية

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G.6 ADV _ Unit 3 . 3C _Winners

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3 C_ How can stars help us ?

Vocabulary

Word / Phrase	Meaning (Arabic)
in the past	في الماضي
ocean	المحيط
sailors	البحّارة
explorers	المستكشفون
desert	الصحراء
travelers	المسافرون
used	استخدموا
the sun	الشمس
the stars	النجوم
help	يساعد
travel	يسافر
maps	الخرائط
sometimes	أحيانًا
compass	البوصلة
at night	في الليل
Bedouin people	البدو
in the day	في النهار
find	يجد
directions	الاتجاهات
line	خط
east	الشرق
west	الغرب
north	الشمال
south	الجنوب
rise	تشرق
set	تغرب
follow	يتبع
sunrise	شروق الشمس
sunset	غروب الشمس
highest point	أعلى نقطة
sky	السماء
find directions	يجد الاتجاهات
North Star	نجم الشمال
top of the sky	أعلى السماء
moves across	يتحرك عبر
same place	نفس المكان

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in front of you	أمامك
behind you	خلفك
to your right	على يمينك
to your left	على يسارك
group of stars	مجموعة من النجوم
called	يسمى
Ursa Minor	الدب الأصغر

📖 Reading Passage

In the past, ocean sailors, explorers, and desert travelers used the sun and the stars to help them to travel. They couldn't always use maps and sometimes, they didn't have a compass. Sailors used the stars when they traveled at night. Bedouin people usually traveled at night because the desert was hot in the day. The stars helped them to find directions. If they found one direction, they could find the others.

Look at the line below. Where is west? How can you find north and south?
→ **east**

How to find directions using the sun
The sun rises in the east and sets in the west. To go east, follow the sunrise and to go west, follow the sunset. The sun is at the highest point in the sky at about 12pm, and this point is south.

How to find directions using the stars
Find the North Star to find north. The North Star never moves because it is at the top of the sky. All the other stars move across the sky, but the North Star is always in the same place. If the North Star is in front of you, south is behind you, east is to your right, and west is to your left.

Look at the picture. This group of stars is called **Ursa Minor.** The North Star is at the top.

Choice Questions

1. **Why did travelers in the past rely on the sun and stars?**
   a) Because they preferred natural beauty
   b) Because maps were easy to carry
   c) Because they didn't always have maps or compasses
   d) Because stars were brighter than the moon
2. **What was the main reason Bedouin people traveled at night?**
   a) The daytime heat made it difficult to travel
   b) They wanted to see the stars

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c) It was a tradition in the desert
d) They could see better in the dark

3. **What does the passage suggest about finding directions?**
   a) You can only use the North Star at night
   b) Knowing one direction helps you find the rest
   c) You need both a compass and a map
   d) Directions change every season
4. **According to the passage, the sun sets in the _____.**
   a) North
   b) East
   c) South
   d) West
5. **When is the sun at its highest point in the sky?**
   a) Around 12 pm
   b) Around 6 am
   c) Around 3 pm
   d) Around 9 am
6. **What direction does the sun show when it is at the highest point?**
   a) North
   b) East
   c) West
   d) South
7. **Which statement is true about the North Star?**
   a) It never moves in the sky
   b) It changes place every season
   c) It moves faster than other stars
   d) It is the brightest star in every constellation
8. **What is the name of the group of stars that includes the North Star?**
   a) Orion
   b) Ursa Major
   c) Ursa Minor
   d) Draco

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***- Read the text again and answer the questions.**

1. Why did Bedouin people travel at night?
   .....
2. Where does the sun set?
   .....
3. In which direction is the sun at 12pm?
   .....
4. Why doesn't the North Star move?
   .....

Fill in gaps with the correct choices :_

because • however • so • compass • direction • sunrise • sunset

Do you have a 1.....? Compasses were very helpful in the past when travelers did not have maps. People still use them today. Compasses are helpful 2..... they show directions. Now, we have many tools, 3..... it is easy to travel. Travelers can use GPS and the internet for help. Sometimes people get lost and they do not have anything. 4....., we can look at the sky from 5..... to sunset, or even at night, and find any 6.....

What do you use when you travel?

***- Join the two sentences with a linking word.**

1. Omar looked at the sky. He saw the moon.
   Omar looked at the sky and he saw the moon.
2. I went to bed. I was sleepy.
   .....
3. A traveler wanted to go north. He couldn't see the North Star.
   .....
4. Fatima likes science. She studies every day.
   .....
5. I can see the North Star. I know which way is north.
   .....

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6. Many people think the North Star is the brightest star. It is not.
   .....
7. The desert was very hot. Bedouin people traveled at night.
   .....
8. The sailor looked at the stars. He found his way.
   .....
9. The sun rises in the east. It sets in the west.
   .....
10. I didn't have a compass. I looked at the sky.
   .....
11. The traveler was tired. He didn't stop walking.
   .....
12. The stars are beautiful. They help people find directions.
   .....
13. We wanted to see the sunrise. We woke up early.
   .....
14. The North Star never moves. Other stars move across the sky.
   .....
15. It was dark. We used a torch to see.
   .....

Choose the suitable conjunction :- -and • because • but

Omar was traveling in the desert. He didn't like traveling during the day **because** it was too hot. He liked traveling at night 1 ..... he could see the stars 2 ..... it was cool. Omar was going to a house in the south of the desert, 3 ..... he didn't have a map, so he didn't know where to go. He looked up. There were many stars in the sky. He looked at "the Little Dipper" 4 ..... he wanted to find the North Star. Then he turned around 5 ..... started walking south.

After a few hours, the sun started to rise behind him. Omar was walking west,

6 ..... the house was in the south! He knew that he was walking west

7 ..... the sun rises in the east. He drew a line in the sand to make a compass

8 ..... then he started walking south.

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however • and • so • because • but

1. There are many stars in the sky. ....., we can only see one moon.
2. Fatima put cold milk in her tea ..... it was hot.
3. Omar wanted to pass the exam, ... he studied every day.
4. We are going to the restaurant, ... we will arrive late.
5. Let's go to the desert ..... look at the stars.

however • and • so • because • but

6. The weather was cold, ... we stayed at home.
7. Laila was tired, ... she finished her homework.
8. The bus was late, ... we missed the movie.
9. I wanted to buy the red shirt, ... it was too expensive.
10. He opened the window ..... the room was very hot.

Vocab _ Exercises : Write the correct word on the line.

map • travel • east • move • sunset • compass

1. I wanted to find north, so I looked at a ..... .
2. Fatima couldn't find the store, so she looked at a ..... on her phone.
3. The four directions are north, ... , south, and west.
4. I want to ..... to another country.
5. There was a camel on the road, so the car had to ..... .
6. The sun is going down and there is a beautiful ..... . The sky is orange.

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*- Choose the Correct Answer:-

1. **....., people didn't have GPS, so they used other ways to find directions.**
   a) In the day b) Sometimes c) At night d) In the past
2. **The ..... was full of brave sailors looking for new lands.**
   a) Desert b) Ocean c) Sky d) Line
3. **..... used the stars to guide their ships across the sea.**
   a) Sailors b) Travelers c) Explorers d) Bedouin people
4. **Many ..... traveled across unknown lands to make new maps.**
   a) Travelers b) Bedouin people c) Explorers d) Sailors
5. **The ..... is wide and sandy, and Bedouin people know how to travel through it.**
   a) Ocean b) Line c) Desert d) Map
6. **Many ..... used the stars and the sun to find their way before maps were made.**
   a) Travelers b) Explorers c) Sailors d) People
7. **Long ago, people ..... the North Star to find directions at night.**
   a) Followed b) Called c) Helped d) Used
8. **The ..... rises in the east and sets in the west every day.**
   a) Stars b) Sun c) Map d) Sky
9. **The ..... helped sailors and travelers find directions when it was dark.**
   a) Stars b) Maps c) Lines d) Sunset
10. **The ..... was made to help people find their way.**
    a) Move b) Follow c) Rise d) Help
11. **People ..... across the world to see new cultures and learn languages.**
    a) Find b) Move c) Travel d) Rise
12. **Before modern tools, explorers used hand-drawn ..... to plan their journeys.**
    a) Maps b) Stars c) Directions d) Line
13. **....., the sky was cloudy, so sailors couldn't see the stars.**
    a) In the day b) At night c) Sometimes d) In the past
14. **The ..... always points north to guide travelers.**
    a) Compass b) Map c) Line d) Desert
15. **Bedouin people travel ..... when the desert is cooler.**
    a) In the past b) In the day c) Sometimes d) At night
16. **..... are skilled at finding directions in the desert.**
    a) Explorers b) Bedouin people c) Travelers d) Sailors
17. **It's easier to travel ..... when the sun shows your direction.**
    a) In the day b) At night c) Sometimes d) In the past
18. **You can ..... your way by looking at the position of the sun.**
    a) Move b) Travel c) Find d) Follow

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19. **Knowing the ..... helps travelers reach their destination safely.**
    a) Lines b) Directions c) Stars d) Sky
20. **The equator is an imaginary ..... around the Earth.**
    a) Map b) Compass c) Line d) Desert
21. **The sun rises in the ..... every morning.**
    a) East b) West c) North d) South
22. **The sun sets in the ..... and the sky turns red.**
    a) East b) West c) North d) South
23. **The compass needle always points to the ..... .**
    a) North b) South c) East d) West
24. **The opposite of north is ..... .**
    a) East b) West c) South d) North
25. **The sun will ..... tomorrow at 6 a.m.**
    a) Rise b) Set c) Move d) Travel
26. **The sun will ..... in the evening behind the mountains.**
    a) Rise b) Move c) Set d) Travel
27. **You can ..... the map to reach your destination.**
    a) Move b) Find c) Travel d) Follow
28. **We watched the beautiful ..... early in the morning.**
    a) Sunrise b) Sunset c) Compass d) East
29. **The sky turns orange during the ..... .**
    a) East b) West c) Sunset d) North
30. **The North Star is the ..... in the night sky.**
    a) Highest point b) Line c) Direction d) Desert
31. **The ..... was full of stars last night.**
    a) Line b) Desert c) Sky d) Map
32. **Sailors used the stars to ..... on their long journeys.**
    a) Find directions b) Rise c) Travel d) Follow
33. **The ..... always stays in the same place in the sky.**
    a) Ursa Minor b) Sunset c) Sky d) North Star
34. **You can find the North Star at the ..... .**
    a) Highest point b) Top of the sky c) Line d) East
35. **The sun ..... the sky from east to west every day.**
    a) Moves across b) Follows c) Travels d) Rises
36. **The North Star stays in the ..... while others move.**
    a) Top of the sky b) East c) Same place d) West
37. **If something is ....., it's easy to see.**
    a) In front of you b) Behind you c) To your left d) To your right
38. **The trees are ....., not in front of you.**
    a) In the day b) Behind you c) At night d) To your left

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39. **The mosque is ....., next to the park.**
a) To your right b) To your left c) Behind you d) In front of you
40. **The school is ....., across the street.**
a) To your right b) To your left c) Behind you d) In front of you
41. **The Big Dipper is a ..... in the night sky.**
a) Group of stars b) Directions c) Lines d) Maps
42. **The small group of stars is ..... Ursa Minor.**
a) Moves b) Finds c) Travels d) Called
43. **..... is the constellation that includes the North Star.**
a) Ursa Minor b) North c) Sunset d) Desert

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