

# Open your class book page 26 and skills book page 26.

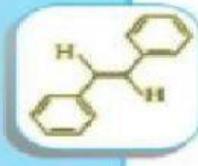
## 2 Great Arab inventions and inventors.

Read the following report. Find four passive sentences and write them in activity 1 on page 26 of your Skills Book. When you have finished, answer the questions in activity 2 on page 26 of your Skills Book.



This report is about Arab inventions and inventors in history. The Internet was used to get information. This report starts by looking at inventions of the past and then goes on to look at inventions of the present.

Many centuries ago, Arab inventors changed the world with their amazing inventions. The globe was invented by Al Idrisi in 1100 and the process of using stones to make glass was discovered by Ibn Firnas. The world of Science and ocean travel was completely changed by the invention of the compass. This was invented by Arabs to help Muslims find the Qibla for prayers.



It is true to say that we usually think of Arab inventors of the past but there are many great Arab inventors who are alive now and helping to change our world. For example, the world's fastest camera was invented by Professor Ahmed Zewail from Egypt. He was awarded the Nobel Prize for Chemistry in 1999 for his invention. The camera uses lasers to take pictures of chemical reactions. Another important invention is the "Test-Fast-Tera" machine. It was invented by an Egyptian woman called Dr. Ferial Tera in 1986. This machine tests the effect of the sun on the colours of different materials.



Arab inventions have helped to make the world a better place. With such a great history and a wonderful present, the future looks bright for Arab inventions in the 21st Century.

## 2 Great Arab inventions and inventors.

Read the report on page 26 of your Classbook and answer these questions using full sentences.

1 How many paragraphs are there?

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2 Which paragraph is about Arab inventions of the past?

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3 What was invented to help find the Qibla for prayers?

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4 Which paragraph is about present Arab inventions?

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5 Who invented the "Test-Fast-Tera" machine?

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# Open your class book pages (27,28,29) and skills book page 29.

### The Wrong Right Inventor

1 When Intissar was little, she liked collecting things. While most other girls for age liked collecting badges, shells or rocky beans, Intissar liked collecting plants, cloth, wood, metal, rocks, buttons, plastic bottles and springs. This made some of her friends really annoyed because it wasn't usual for girls of Intissar's age to collect junk and scrap.

"I think we should take her to the doctor," said her brother.

"Maybe we should take her to the doctor," said her parents.

"No, said her parents with worried expressions on their faces. "This is her hobby and we shouldn't upset her."

"Why don't you go her to make something with all these things?" said Intissar's grandmother.

"Yes, she can be an inventor," said Intissar's grandfather. So that is what they did!

2 One day, her brother went to Intissar and asked her to make something that would make his bicycle move faster. Intissar used some of the junk to make a motor and carefully attached it to the pedals so her brother wouldn't have to pedal anymore. At first, she was fine and Intissar's brother was really happy, but then one day the motor stopped working properly. Sometimes, the bicycle would move fast, then sometimes it would move slowly and then sometimes it wouldn't move at all.

"Your invention is so good," said Intissar's brother. "It's all wrong!"




3 Intissar was sad, but she didn't give up. So when her 20th birthday her mother decided to make her jewellery box. Intissar used a piece of wood, some metal springs and a few bits and pieces from an old tape recorder to make a musical jewellery box. Intissar's sister was really happy when she got the bit of the box got stuck and all her jewellery was trapped inside.

"Your invention is so good," said Intissar's sister. "It's all wrong!"

4 Intissar was sad, but she didn't give up. Then her parents asked her to make something to help clean the floor, so she invented a machine, one of the old toys and some kitchen paper to suck up all the dirt from the floor. One again she made it for the first time, but once again the machine went wrong. Instead of sucking up the dirt, it started to blow the rubbish all over the room. Intissar began to cry. "My invention is so good. They're all wrong!" she said with tears in her eyes. "That's wrong, Intissar," said her parents. "We're sure you'll get better."

5 A few days later, Intissar's brother was playing with his friends in the street. They were having a race on their bicycles, trying to see who was the fastest in their street. It was more fun to be Intissar's brother's team and he had been working hard with Intissar to make sure that the motor would work on his camel with the race. Then they were off and Intissar's brother took the lead. Down went the bicycle, getting further and further ahead of the other bicycles in the race. Intissar's brother was really happy because he was going to win the second round to race at the other children, when suddenly a goat appeared in front of his bicycle.

"Watch out!" they all shouted at him.

Intissar's brother started to panic and shouted, "Help! Help!" and tried to turn the bicycle so he wouldn't crash into the goat, but it was too late. The bicycle, the motor was CRASH! CRASH! CRASH! CRASH!

The engine stopped, the bicycle stopped and he had the goat was saved from being crushed. "Intissar!" and her shouting up to Intissar's brother shouting because he had not crashed into the goat. The goat was, "Hi!" and ran away.

But Intissar was worried that her brother would be unhappy because the motor had stopped working and he had lost the race. So Intissar walked slowly up to her brother. When she stopped, she found her motor, surrounded by children. She was smiling and said to Intissar, "Your invention isn't wrong. It's right!"




6 The next day, Intissar's family were watching the news on TV when she saw a news report that a small pet monkey had recently escaped from a private zoo and was now in the park. Suddenly, there was a loud CRASH and Intissar's brother was coming from Intissar's bedroom, running into the bathroom and found the chain broken, the lamp in pieces on the floor and clothes lying in a mess by the bed. Everyone was shocked. They looked up at Intissar and saw two bright eyes and heavy hands.

"A monkey?" they all shouted.

7 The monkey had climbed in through the window and was trying to open the nearest cupboard. Intissar had made for her sister. Of course, the monkey couldn't open the lid, because the box was stuck. The monkey was trying to hit the top against the table and had managed to knock over all the things in the bathroom.

"Quickly, it's the escaped monkey. Let's try to catch it," shouted Intissar's father. Intissar's mother quickly grabbed the bed sheet to throw over the monkey while Intissar's brother grabbed the cleaner Intissar had invented for her parents. Against instead of sucking, the machine started to blow and make a BEEBING noise. The escaped monkey thought the machine was a snake and ran away. Intissar's father placed the sheet to let them know that they had caught the escaped monkey. Meanwhile the rest of the family helped clean up the mess in the bathroom.

"You know Intissar, your invention stopped the monkey from taking any jewellery. Your invention is not wrong. It's all right!" said Intissar's sister with a smile on her face.

"And your cleaning machine makes a great monkey water. Your invention is not wrong. It's all right!" added Intissar's mother.

8 Intissar never stopped collecting things and she never stopped making inventions. Sometimes they worked, sometimes they didn't and sometimes they did things they weren't meant to do. But whatever happened, Intissar never gave up.



## 1 Read and think.

Quickly read the following sentences. Then, look at the numbered paragraphs from the Wrong Right Inventor story on pages 27 and 28 of your Classbook. Then, decide which of the following sentences best describes each paragraph. Write the number of the paragraph in the space provided.

- Intissar carried on making inventions.
- There was a bicycle race.
- She made a cleaner for her parents.
- The monkey was holding the box.
- Intissar liked collecting things.
- A monkey had escaped from a private zoo.
- The musical jewellery box didn't open.
- She made a motor for the bicycle.

## 2 True or false?

The following sentences are about the Wrong Right Inventor story. Quickly read through the story, and decide if the sentences are true or false. Then circle the correct answer.

- Intissar is a girl who likes collecting shells and toys.  true  false
- Intissar's grandparents think Intissar should become an inventor.  true  false
- Intissar makes a musical box for her mother.  true  false
- Intissar's parents think she will become better at inventing.  true  false
- Intissar's brother nearly hits a camel.  true  false
- The family catch the escaped monkey using the cleaner.  true  false