

Name: _____ () Class: _____ Date: _____

You have found a magazine article about inventions by teenagers. Read the magazine article.

Text 1 Magazine article

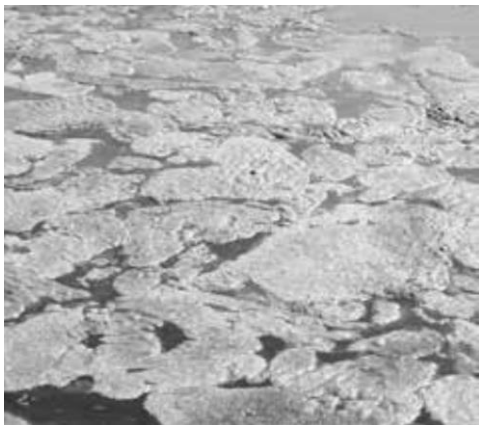
Hope for the future

① Everyone ought to see these mind-boggling inventions by kids!

② **30-second phone charger**

Have you ever been in a rush to get out the door to meet friends, only to notice at the last moment that your phone's battery is about to bite the dust? You then have to sit beside an electric outlet, watching the minutes tick by, just so you can have a fully charged phone. Eesha Khare was only 18 when she invented something that solves this irritating issue. The tiny tool that she created charges a mobile phone in less than 30 seconds. While a standard battery loses its efficiency after 1,000 charges, you can use this tool to charge your phone 10,000 times!

Eesha must have wasted a lot of time waiting for her phone to charge in order to get the inspiration for this smart invention!



③ **Algae mobile**

When he was 17, Param Jaggi invented the Algae Mobile. Param, like many people today, felt very concerned about climate change and how vehicles are contributing to it.

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25 The Algae Mobile uses algae, a slimy plant found in many ponds,
to turn the carbon dioxide that comes out of a car into clean
oxygen. If everyone used this invention, traffic jams would make it
easier for people to breathe! Param is sure to never let a good
idea pass him by. In an interview, he said that he keeps a
30 sketchbook at home and carries it with him all the time. Who
knows when he will come up with another great invention?

4 Medical rucksack

Kylie Simonds faced a difficult challenge early in her life. At just
eight years old, she was diagnosed with cancer. She didn't let this
disease get in the way of her ingenuity however. During her
35 treatment, because she was young and weakened by the
chemotherapy, she had immense difficulty dragging around a
heavy drip stand. Simonds thought it was unfair
that kids with cancer had to be held back
with this unwieldy piece of equipment.
40 This experience led her to invent a light
and portable medical rucksack.
With this, cancer patients can
explore the hospital hallways
while receiving medicine,
45 which is a major benefit for kids
who can't sit still, even if
they're sick. She is raising funds
to bring this life-changing invention
to other children with cancer.



Challenging reading and comprehension

Unit 4

Name: _____ () Class: _____ Date: _____

Comprehension 1 *Your friend wants to know more about the magazine article. Answer his questions using information from the magazine article. For multiple-choice questions, choose the best answer and blacken ONE circle only.*

1 What is the meaning of 'bite the dust' (line 5)?

A be fully charged

B about to ring

C almost fall

D die

A B C D

☐ ☐ ☐ ☐

2 What does 'this irritating issue' refer to in line 8?

3 What are two ways that Eesha's invention is better than a regular phone charger?

i) _____

ii) _____

4 Use ONE word to complete each blank.

Eesha realized that _____ her phone was a
_____ of time, so she came up with a way to do it faster.

5 How old was Eesha when she came up with her invention?

6 i) What type of pollution does Param's invention help reduce?

ii) How does it do this?

7 What is algae?

Challenging reading and comprehension

Unit 4

Name: _____ () Class: _____ Date: _____

- 8 The writer says that with Param's invention 'traffic jams would make it easier for people to breathe'. Why does the writer say this?

- 9 Why does Param carry a sketchbook with him?

- 10 What was the 'difficult challenge' (line 32) Kylie faced early in life?

- 11 Find a word in paragraph 3 that means 'awkward and heavy'.

- 12 Paragraph 4 tells the reader _____.

- A why Kylie and other cancer patients need money
 B the cause of Kylie's cancer
 C how Kylie's invention could help children with cancer
 D what Kylie thought about cancer

A B C D
☐ ☐ ☐ ☐

- 13 Decide whether the following statements about Kylie are True (T), False (F) or Not Given (NG).

Statements	T	F	NG
i) Kylie believes children should be able to move around while they are getting cancer treatment.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
ii) Kylie's chemotherapy treatment has been successful.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
iii) Kylie is hoping to get donations in order to give other children the chance to use her invention.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Challenging reading and comprehension

Unit 4

Name: _____ () Class: _____ Date: _____

- 14** Using information from the magazine article match each invention with one of the comments below. Choose A–E and write the letter in the box next to each person. Two of the quotes will NOT be used.

COMMENTS		COMMENTS	
A	'Traffic jams are going to become a much larger problem.'	D	'Imagine if cars could actually be the answer to climate change...'
B	'This will help kids to be kids, despite their health problems.'	E	'This invention can save children's lives.'
C	'What a time saver! Everyone will want to own this.'		

30-second phone charger	
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Algae mobile	
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Medical rucksack	
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- 15** What is the purpose of this text?



- 16** Which invention from the article do you think is the most useful? Why?
