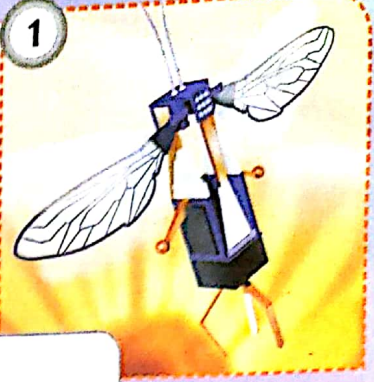


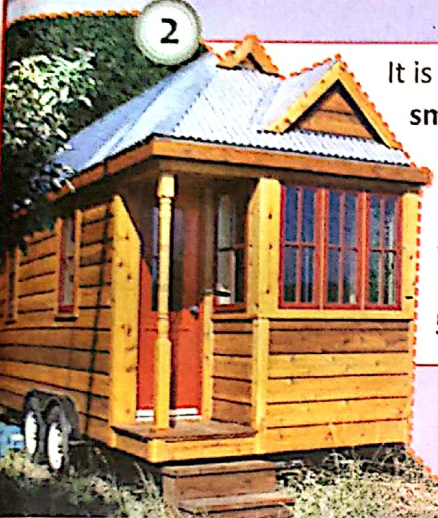
1 Smallest Human-Made Things On The Earth

Human beings are very creative. They are capable of making the most unusual and interesting things for their use. Recognise the following smallest human-made things by their given descriptions and write their names using the Help Box.

It is the world's smallest robot. It has two membrane-like wings that flap at the speed of 120 times per second, allowing it to fly at a very high speed. It is used in rescue and search operations and environmental monitoring.



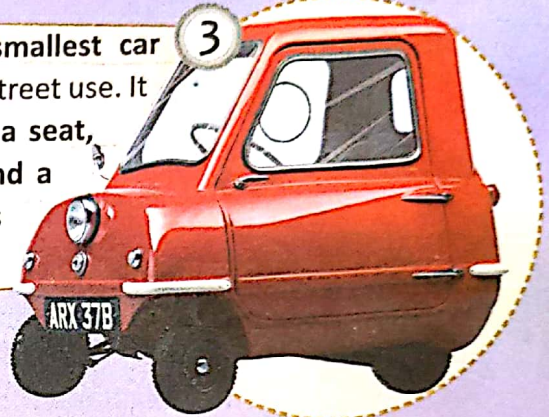
I RoboBee



It is the world's smallest house which is constructed by Jay Shafer of San Francisco. It is only 50 sq ft.

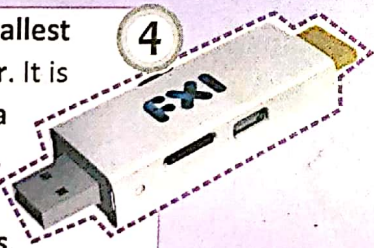
Tumbleweed

It is the world's smallest car ever approved for street use. It has three wheels, a seat, a door, a wiper and a headlight. It weighs only 63 kg.

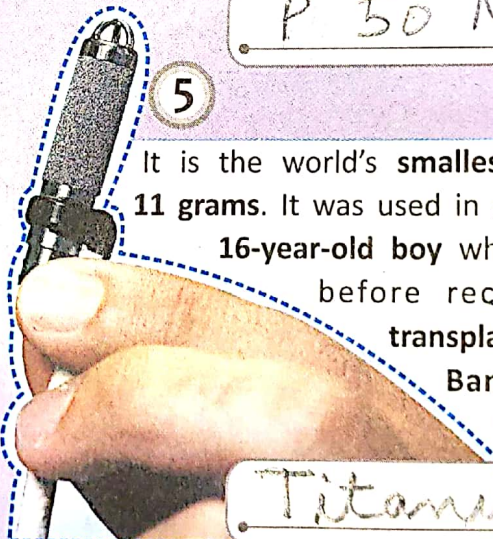


P 50 Microcar

It is the world's smallest personal computer. It is almost the size of a USB memory stick. It is manufactured by FXI Technologies.



Cotton Candy



It is the world's smallest heart, weighing only 11 grams. It was used in an emergency case of a 16-year-old boy who survived for 13 days before receiving a real heart transplant. This was implanted in Bambino Gesu Hospital, Rome on May 24, 2012.

Titanium Pump



It is the world's smallest postal service operating in San Francisco. It transcribes your mail into a miniature version before sending. It is just 24 mm by 18mm.

WSPS



- (a) Cotton Candy
- (b) Titanium Pump
- (c) IRoboBee
- (d) WSPS
- (e) Tumbleweed
- (f) P50 Microcar

Plants And Animals

We all know about numerous Indian bird species. Now, it is time to explore some feathery friends from foreign lands. Let us identify and write their names from the clues given below. You may use the Help Box.

1. Finch

They are predominantly seed-eating songbirds and are natives of Northern Hemisphere.



2. Kookaburra

They are terrestrial tree kingfisher birds, known for their human laughter-like call. They belong to Australia and New Guinea.



3. Toucan

They are brightly marked and have large, colourful bills. They are mainly found in South America.



4. Macaw

Their size varies from small to large. They are often colourful. They are natives of Central America and South America.



5. Spoonbill

They have long flat bills with which they capture small aquatic animals for their food. They are found in north-east Africa, Europe, Asia and Australia.

G.K.



HELP BOX

- | | |
|----------------|---------------|
| (a) stork | (b) finch |
| (c) macaw | (d) toucan |
| (e) kookaburra | (f) spoonbill |

6. Stork

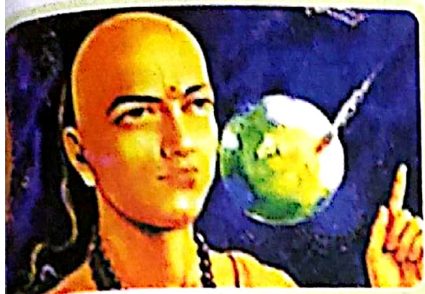
They are long-legged and long-necked wading birds with long, stout bills. They majorly belong to Europe.



3 Great Indian Scientists

Science And Technology

Read about some of the greatest scientists of India. Identify and write their names in the blanks provided. You may use the Help Box.



He was the first person to believe that the Earth is round and rotates on its axis that causes day and night.

Aryabhata

2



He discovered Chandrasekhar Limit and received the Nobel Prize for Physics.

S Chandrasekhar

3



He was the first Indian scholar who studied only in India and received the Nobel Prize for Physics.

C V Raman



He is known as the 'Father of Indian Space Programme'.

Dr Vikram A Sarabhai

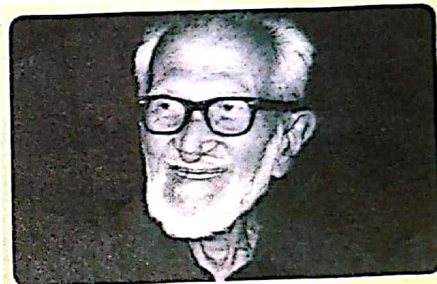
5



He is known as the 'Father of Indian Nuclear Programme'.

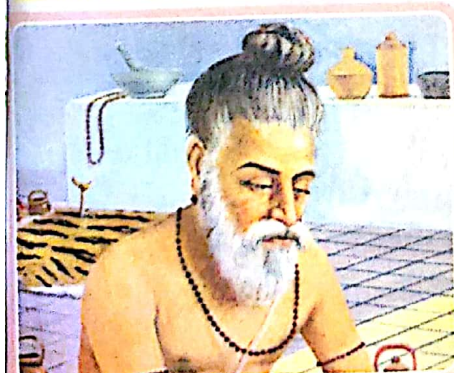
Homi J Bhabha

6



He was among the first Indians to conduct systematic surveys on birds across India. He is known as the 'Birdman of India'.

Salim Ali



He is known as the 'Father of Surgery'.

Sushruta

8



He is also known as the 'Father of the Indian Missile Programme'.

Dr APJ Abdul Kalam



- (a) Sushruta
- (b) Salim Ali
- (c) CV Raman
- (d) Homi J Bhabha
- (e) S Chandrasekhar
- (f) Dr APJ Abdul Kalam
- (g) Aryabhata
- (h) Dr Vikram A Sarabhai

4 Technological Inventions

Science And Technology

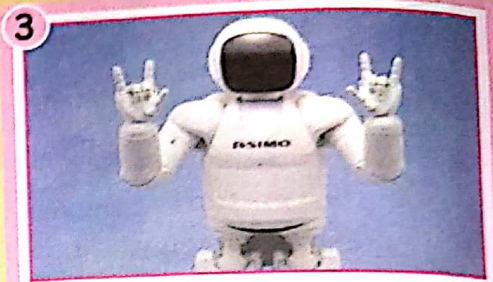
Science creates new technology. Technological inventions bring recreation in our lives. They also make our lives easy and comfortable. Recognise the following technological advancements by their brief descriptions. Write their names in the given blanks. You may use the Help Box.



1 It can hold more than 30,000 songs.
 I POD



2 It helps in tracking down the requisite direction in unknown places.
 GPS



3 It is an automatic machine. It is helpful in the industries as well as at homes.
 Robot



4 It helps to withdraw money anytime. It reduces the risk of carrying large sum of money everywhere.
 ATM



5 It allows the card holder to pay for goods and services based on the holder's promise to pay for them later.
 Credit card



6 It helps in providing telephone and television channel networks, forecasting weather, etc.
 Satellite



7 It consists of a series of video-game consoles developed by Microsoft.
 X box



8 It is an optical machine-readable data that contains the item's description and price.
 Bar code



- (a) GPS
- (b) credit card
- (c) Xbox
- (d) bar code
- (e) iPod
- (f) ATM card
- (g) satellite
- (h) robot

5 Recognise If You Can

Sports And Entertainment

Partial pictures of some famous sports personalities of India are given below. Write their names using the Help Box.

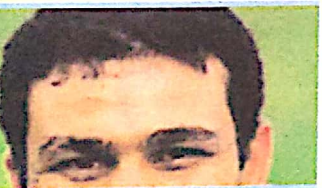
cricket



1 Sachin Tendulkar



2 M S Dhoni



3 Virender Sehwag



4 Virat Kohli

badminton



1 Saina Nehwal



2 Jwala Gutta



3 Chetan Anand



4 Prakash Padukone

lawn tennis



1 Sania Mirza



2 Mahesh Bhupathi



3 Leander Paes



4 Somdev Devvarman

football



1 Baichung Bhutia



2 I M Vijayan



3 Sunil Chhetri



4 Mahesh Gawli

cricket

- (a) Virender Sehwag
- (b) Sachin Tendulkar
- (c) Virat Kohli
- (d) MS Dhoni

badminton

- (a) Prakash Padukone
- (b) Chetan Anand
- (c) Jwala Gutta
- (d) Saina Nehwal

lawn tennis

- (a) Mahesh Bhupathi
- (b) Leander Paes
- (c) Somdev Devvarman
- (d) Sania Mirza

football

- (a) IM Vijayan
- (b) Baichung Bhutia
- (c) Mahesh Gawli
- (d) Sunil Chhetri

HELP BOX