

1

Amazing Animal World

1. Can you answer the following questions?

- (a) Giant squid
- (b) Jellyfish
- (c) Snow leopard
- (d) Skunk
- (e) Emperor penguin

2. Read the questions and tick (✓) the correct options.

- (a) Portuguese Man o' War
- (b) Skunk
- (c) Three
- (d) Galápagos Tortoise
- (e) Anglerfish
- (f) Pufferfish

3. State whether the following statements are true or false.

- (a) F
- (b) F
- (c) T
- (d) F
- (e) T
- (f) T



4. Match the following.

(d), (a), (e), (c), (f), (b)

5. Look at the pictures and write the names of the creatures.

- (a) Pufferfish
- (b) Skunk
- (c) Portuguese Man o' War
- (d) Komodo Dragon

6. Who am I?

- (a) Flying snake
- (b) Pufferfish
- (c) Snow Leopard
- (d) Anglerfish
- (e) Komodo Dragon
- (f) Humpback Whale

7. Fill in the crossword with the help of the clues given in the hint box.

1. Pufferfish

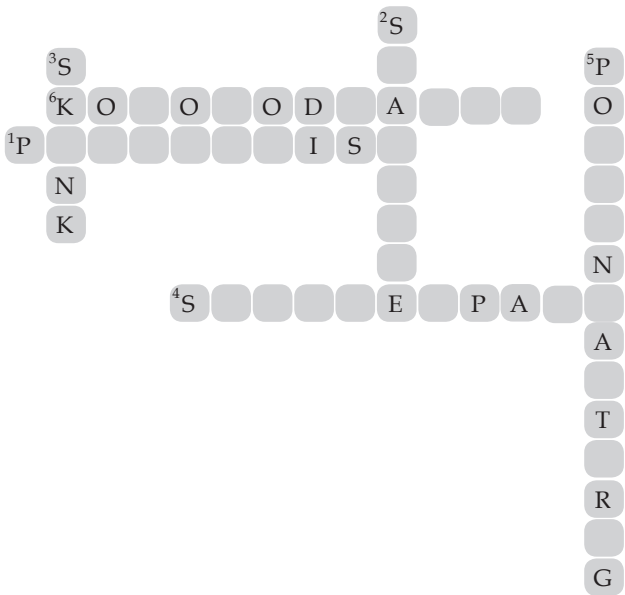
2. Seahorse

3. Skunk

4. Snowleopard

5. Poisonsdartfrog

6. Komodo Dragon



2

Notorious Plants

1. Read the questions and tick (✓) the correct options.

- (a) Corpse flower
- (b) Mimosa pudica
- (c) Rafflesia
- (d) Tumboa
- (e) Rafflesia

2. State whether the following statements are true or false.

- (a) T
- (b) F
- (c) F
- (d) T
- (e) F

3. Solve the crossword puzzle.

Across:

2. Waterwheel

7. Sinking

Down:

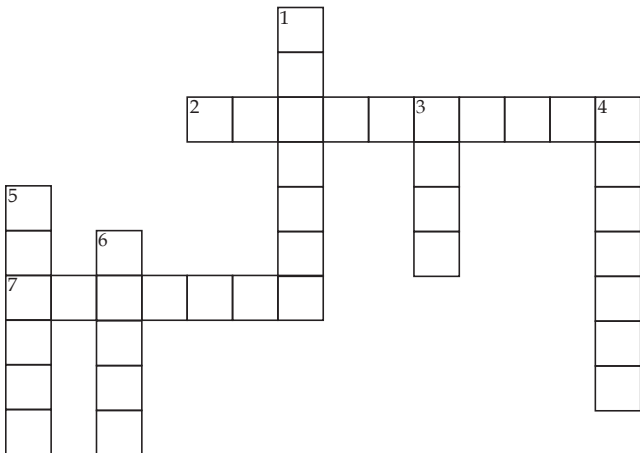
1. Rotting

3. Waxy

4. Largest

5. Fossil

6. Gnats



4. Names of some plants are hidden in the word grid given below. Search and shade the words with the help of the images provided. One is done for you.

S	T	C	E	B	X	N	A	R	A	U	Y	C	N	H
T	X	J	O	S	M	H	C	I	F	P	K	C	M	D
R	D	C	L	C	F	L	W	H	L	Q	Y	F	D	Z
A	W	D	I	O	T	V	F	H	Y	D	D	Q	R	P
N	W	D	T	R	Z	B	Z	M	P	O	J	O	B	I
G	M	S	H	P	E	A	R	E	A	A	Z	U	Y	T
L	E	X	O	S	X	O	B	A	P	R	X	G	R	C
E	Z	A	P	E	J	B	Q	S	E	G	U	S	A	H
R	F	G	S	F	G	A	O	V	R	I	B	O	F	E
F	M	T	S	L	N	B	S	M	P	M	X	J	F	R
I	J	Y	K	O	B	T	V	R	L	B	W	B	L	P
G	R	P	H	W	L	R	H	N	A	S	O	B	E	L
O	X	D	C	E	K	E	W	U	N	X	O	H	S	A
J	L	Q	T	R	K	E	B	V	T	G	T	W	I	N
C	V	M	I	M	O	S	A	P	U	D	I	C	A	T

5. Match the following.

(c), (e), (d), (a), (b)

3

Know Your Body

1. Read the questions and tick (✓) the correct options.

- | | |
|-----------|----------------|
| (a) Bones | (c) Cerebrum |
| (b) 33 | (d) 1.5 metres |

2. Name the following.

- | | |
|----------------|----------------|
| (a) Brain | (d) Femur |
| (b) Ligament | (e) Cerebellum |
| (c) Oesophagus | (f) Intestine |

3. Give reason.

Why are we advised to drink milk everyday?

We should drink milk everyday because milk keeps our bones healthy and it offers a rich source of calcium, which keeps our bone and teeth healthy.

4. State whether the following statements are true or false.

- | | |
|-------|-------|
| (a) F | (d) F |
| (b) T | (e) T |
| (c) F | |

5. Fill in the blanks.

- (a) neuronal cell bodies
- (b) oxygen
- (c) nine
- (d) bone marrow
- (e) brain
- (f) oxygen and nutrients
- (g) teeth

7. Give reason.

- (a) The brain requires 20% oxygen from the blood. When we are tired or bored, we breathe slowly and intake less oxygen. How does yawning help here?**

Ans- Yawning help us in controlling the oxygen and carbon dioxide level in the body.

- (b) For blood sampling, blood is taken from veins and not arteries.**

Ans-

1. As veins are closer to the surface of the skin so it makes the process easier for blood sampling.
2. The blood pressure in veins is less than that in arteries.

8. Write the correct names of the body parts.

- (a) Heart
- (b) Tendons
- (c) Liver
- (d) Bone marrow

4

Technology in Healing

1. Read the questions and tick (✓) the correct options.

- (a) mHealth
- (b) Prosthetic
- (c) Bionic
- (d) 10
- (e) Remote

2. State whether the following statements are true or false.

- (a) T
- (b) F
- (c) T
- (d) F
- (e) F

3. Match the following.

- (c), (d), (e), (a), (b)

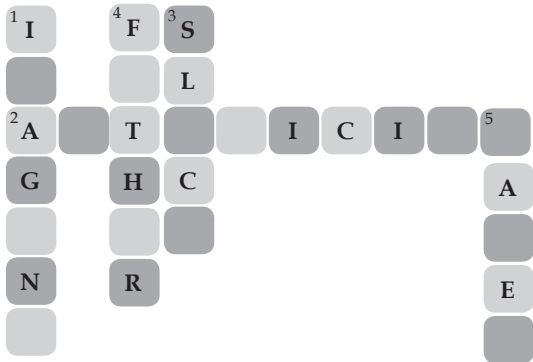
4. Answer the following.

- (a) William Devries
- (b) Laparoscopic Surgery
- (c) i-Limb Hand
- (d) Willem Johan Kolff
- (e) Laser Surgery



5. Fill in the crossword with the help of the clues given in the hint box.

1. IMAGING
2. ARTIFICIAL
3. SLICE
4. FATHER
5. LASER



5

Great Philosophers

1. Here are some famous quotes. Identify their authors and write their names.

- (a) William Shakespeare (c) Buddha
(b) George Bernard Shaw (d) Chanakya

2. State whether the following statements are true or false.

- (a) T (b) F (c) F (d) F

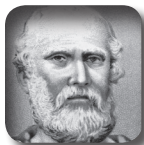
3. Identify these famous philosophers.



(a) Voltaire



(b) Francis Bacon



(c) Plato



(d) Socrates



(e) Adam Smith

6

Men and Women of Great Words

1. Fill in the blanks using the help box.

- (a) Eugene Gladstone O'Neill
- (b) Jean-Paul Sartre
- (c) Toni Morrison
- (d) Nadine Gordimer
- (e) Bob Dylan

2. State whether the following statements are true or false.

- (a) T
- (b) T
- (c) F
- (d) F
- (e) F
- (f) T

3. Match the autobiographies with the concerned person.

- (a) *My family and Other Animals*
- (b) *Boy: Tales of Childhood*
- (c) *Long Walk to Freedom*
- (d) *My Experiments with Truth*
- (e) *Seven Pillars of Wisdom: A Triumph*

- (f) *My Silent War*
 (g) *Freedom in Exile*
 (h) *Both Feet on the Ground*
 (i) *My Left Foot*
 (j) *The Double Helix*

4. Names of some men and women from literature are hidden in the given word grid. Search and shade the words with the help of hint box.

M	A	R	K	T	W	A	I	N	B	H	I	R	B	S	W	Q	W
U	J	A	N	E	A	U	S	T	E	N	T	D	G	T	I	H	I
L	X	B	Y	T	M	E	R	T	Y	D	Y	S	C	E	L	E	L
G	E	I	R	G	H	P	F	G	P	V	M	R	H	P	L	H	L
R	R	N	Q	Q	G	X	G	V	R	Q	T	J	A	H	X	E	I
V	R	D	F	D	D	C	L	U	L	Y	E	D	R	E	U	C	A
R	H	R	Y	T	A	E	S	P	E	P	K	V	L	N	M	R	M
H	S	A	L	M	A	N	R	U	S	H	D	I	E	K	P	H	S
T	F	N	U	A	C	I	K	W	N	I	B	F	S	I	H	E	H
W	R	A	O	Y	P	F	T	K	K	O	D	U	D	N	N	C	A
H	G	T	Q	A	O	P	E	Z	V	T	D	E	I	G	K	S	K
W	F	H	E	A	O	Q	I	M	I	O	Y	U	C	E	E	H	E
J	E	T	R	N	I	P	T	C	G	E	I	E	K	U	Z	W	S
U	R	A	T	G	T	L	F	N	W	W	K	Y	E	Y	P	Y	P
F	R	G	V	E	E	E	J	K	Q	K	T	E	N	T	T	H	E
G	Y	O	O	L	Y	N	W	W	Y	P	E	U	S	W	A	E	A
O	H	R	L	O	J	K	R	O	W	L	I	N	G	Y	W	E	R
P	K	E	P	U	A	R	U	N	D	H	A	T	I	R	O	Y	E

5. Read the questions and tick (✓) the correct options.

- (a) Rabindranath Tagore
- (b) 6
- (c) Dan Brown
- (d) Maya Angelou
- (e) Salman Rushdie

6. Explain the following terms.

(a) Booker Prize:

A prize that is given each autumn for the best novel by a citizen of the Commonwealth or the Republic of Ireland published that year. The prize was first given by Booker, a large food company, in 1968.

(b) Nobel Prize:

A prize which is given each year for excellent work in physics, chemistry, medicine, literature, economics and work towards world peace, it is one of six international prizes.

7

Art and Culture

1. Read the questions and tick (✓) the correct options.

- (a) Mythology
- (b) *Starry Night*
- (c) 41
- (d) Nritta
- (e) Peru

2. State whether the following statements are true or false.

- (a) F
- (b) T
- (c) F
- (d) T
- (e) T

3. Match the following.

- (e), (c), (d), (a), (b)

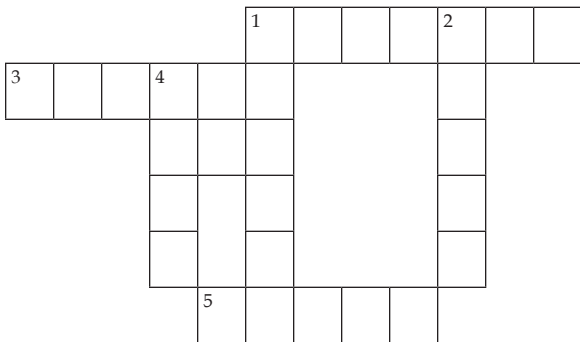
4. Solve the crossword puzzle using the clues given.

Across:

1. Barabar
3. Kerala
5. Italy

Down:

1. Ballet
2. Birju
4. Amer



5. Find the words with the help of the clues given below.

V	M	T	M	L	A	U	S	T
P	J	I	E	C	U	F	D	N
U	P	F	R	V	U	N	X	W
H	A	B	C	R	T	N	E	O
M	R	Y	O	F	O	M	U	J
I	U	Z	H	Z	I	R	W	J
M	B	G	R	M	V	E	S	A
E	L	F	H	Y	J	T	E	G
H	N	W	G	A	U	V	D	G
G	Y	H	B	C	L	S	K	E
A	U	S	T	R	I	A	N	R
D	F	W	G	D	I	D	S	O
S	B	Z	F	S	F	X	J	U

- (a) Mughal
 (b) Jagger
 (c) Mime
 (d) Mirrors
 (e) Austrian

8

Amazing Universe

1. Fill in the blanks with correct numbers given in the hint box.

(a) 99.8

(d) 21

(b) 243

(e) 300

(c) 590

2. Explain the term meteoroids.

Meteoroids are small rocky or metallic bodies present in outer space.

3. Why does Earth not have craters as moon does? Give reasons.

The first is called erosion. Earth has weather, water, and plants. These things act together to break apart and wear down the ground. Eventually erosion can break a crater down to virtually nothing.

The Moon has almost no erosion because it has no atmosphere. That means it has no wind, it has no weather, and it certainly has no plants. Almost nothing can remove marks on its surface once they are made.

The second thing is something called tectonics. Tectonics is processes that cause our planet's surface to form new rocks, get rid of old rocks, and shift around over millions of years.

The third thing is volcanism. Volcanic flows can cover up impacts craters.

4. State whether the following statements are true or false.

- | | |
|-------|-------|
| (a) F | (f) T |
| (b) T | (g) F |
| (c) T | (h) T |
| (d) T | (i) T |
| (e) T | (j) T |

5. Read the descriptions and name the astronauts who created milestones in spacewalk with the help of hint box.

- (a) Alexei Leonov
- (b) Svetlana Savitskaya
- (c) Susan Helms
- (d) Steve Robinson
- (e) Anatoly Solovyev
- (f) Zhai Zhigang

6. Name the following planets.

- (a) Mercury
- (b) Jupiter
- (c) Saturn
- (d) Jupiter and Saturn

7. Write the full forms of the following.

- (a) NASA- National Aeronautics and Space Administration
- (b) ISRO- Indian Space Research Organisation
- (c) PSLV- Polar Satellite Launch Vehicle
- (d) MOM- Mars Orbiter Mission

8. Look at the picture given below and answer the questions.

(a) Name this famous personality.

A. P. J. Abdul Kalam

(b) Why is he also known as the 'Missile Man of India'?

He is known as the Missile Man of India for his work on the development of ballistic missile and launch vehicle technology.

9

Enhance that Vocabulary

1. Homophones are words with the same sound, however, with different meanings. Complete the sentences using the correct words.

(a) hour

(d) sun

(b) write

(e) principal

(c) new

2. Complete the crossword by using the clues given.

Across:

2. Somnambulist

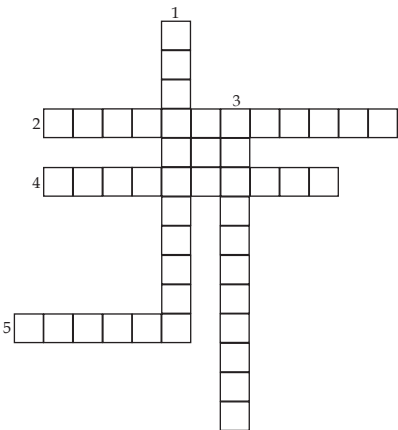
4. Illiterate

5. Decade

Down:

1. Misanthrope

3. Bureaucracy



3. Write down one word for each of the following.

- | | |
|--------------------|-----------------|
| (a) Claustrophobia | (f) Acrophobia |
| (b) Arachnophobia | (g) Aviophobia |
| (c) Cynophobia | (h) Emaciation |
| (d) Fuscous | (i) Ingurgitate |
| (e) Glossophobia | (j) Haemophobia |

4. Define the following.

(a) A pangram sentence:

A pangram sentence is one that contains every letter in the language. For example, the sentence 'The quick brown fox jumps over the lazy dog' is a pangram.

(b) Phobia:

A phobia is an excessive and irrational fear reaction. If you have a phobia, you may experience a deep sense of dread or panic when you encounter the source of your fear. The fear can be of a certain place, situation or object.

(c) Albertopolis:

Albertopolis is the nickname given to the area centred on Exhibition Road in London, named after Prince Albert, husband of Queen Victoria.

(d) Ambigrams:

An ambigram is a word that can be read in more than one direction, where the word reads the same when upside down or turn over to form an entirely new word.

5. Make sentences to bring out the meanings of the pair of words.

(a) Excess- I found excess of salt in the soup.

Access- My father gave us access to the computer to fill the school camp form.

(b) Whether- This will depend on his performance in the examination whether he is promoted to the new class or not.

Weather- The weather is very pleasant today since morning.

(c) Coarse- Silk fabrics, coarse woollen cloth and paper are manufactured in the factories.

Course- My brother has completed the French language course within six months.

(d) Stationery- My mother ordered all the stationery for my project.

Stationary- Keep the bicycle stationary.

10

Clearing the Air

1. Read the questions and tick (✓) the correct options.

- (a) Rural and forest areas
- (b) Six
- (c) Hockey
- (d) Hindi
- (e) Hinduism

2. State whether the following statements are true or false.

- (a) F
- (b) T
- (c) T
- (d) F
- (e) F

3. Find out and write one myth for each of the following.

- (a) **Taj Mahal-** The myth about Taj Mahal is that the structure was originally a Hindu temple that was dedicated to Lord Shiva.
- (b) **Pure Desi Ghee-** Ghee will lead to obesity and weight gain.
- (c) **Blood Donation-** Health deteriorates after donating blood.

4. Match the following.

(b), (d), (e), (a), (c)

5. Find the words with the help of the clues given below.

(a) Elephant

(d) Indus

(b) information

(e) Northern

(c) tattoo

I	I	Z	N	B	V
M	N	W	O	S	A
M	F	L	R	V	O
E	O	Q	T	Y	Q
L	R	Q	H	T	Z
E	M	Z	E	P	U
P	A	H	R	V	U
H	T	A	N	X	J
A	I	N	D	U	S
N	O	M	U	O	N
T	N	O	X	T	S
S	I	T	D	Z	T
T	A	T	T	O	O
D	D	X	U	S	S
T	Y	G	Q	Y	A

11

Freedom Fighters

1. Names of some Indian freedom fighters are hidden in the word grid. Search and shade the words with the help of hint box. One has been done for you.

M	A	N	G	A	L	P	A	N	D	E	Y	R
L	A	K	S	H	M	I	B	A	I	R	A	B
A	U	H	A	G	F	E	O	D	C	A	B	H
L	D	K	R	P	A	B	S	C	D	J	E	A
A	H	Q	O	P	A	T	E	L	V	G	F	G
L	A	N	J	O	Y	X	W	G	H	U	T	A
A	M	B	I	S	M	I	L	F	I	J	S	T
J	S	D	N	A	M	S	I	N	G	H	W	S
P	I	T	I	Z	G	A	N	D	H	I	J	I
A	N	V	N	E	H	R	U	J	I	L	M	N
T	G	H	A	N	G	B	P	P	A	N	N	G
R	H	X	I	R	A	J	G	U	R	U	O	H
A	B	C	D	S	U	K	H	D	E	V	P	Q
I	M	A	U	L	A	N	A	A	Z	A	D	R

2. Read the description and name the freedom fighter using the hint box.

- (a) Toussaint Louverture
- (b) Samuel
- (c) Simon Bolivar
- (d) Vladimir Lenin
- (e) Adams Emiliano Zapata

3. Give full forms of following.

- (a) INC- Indian National Congress
- (b) INA- Indian National Army
- (c) ANC- African National Congress
- (d) PAC- Pan Africanist Congress of Azania

4. State whether the following statements are true or false.

- | | |
|-------|-------|
| (a) T | (d) F |
| (b) F | (e) F |
| (c) F | (f) T |

5. Complete the table given below.

Name	Birth Year	Place of Birth
Gandhiji	1869	Porbandar, India
Nelson Mandela	1918	Mvezo, South Africa
Subhash Chandra Bose	1897	Cuttack, India
King Martin Luther Jr.	1929	Atlanta, Georgia, United States
Bhagat Singh	1907	Banga, Pakistan
Chandra Shekhar Azad	1906	Bhavra, India
Vladimir Lenin	1870	Ulyanovsk, Russia

6. Explain the following terms.

- (a) **Non-Cooperation Movement** - The Non-Cooperation Movement was a short phase of the Indian independence movement from British rule. It was led by Mahatma Gandhi.
- (b) **Anti-Apartheid Movement** - The Anti-Apartheid Movement was a British organisation that was at the centre of the international movement opposing the South African apartheid system and supporting South Africa's non-White population who were persecuted by the policies of apartheid.

12

Some Cities and their Nicknames

1. Answer in one word.

- (a) Lucknow (b) Jaipur
(c) Hyderabad (d) Jamshedpur

2. Identify the city and state from the pictures given below.

- (a) Amritsar (Punjab)
(b) Dibrugarh (Assam)
(c) Mumbai (Maharashtra)
(d) Kanpur (Uttar Pradesh)

3. Match the cities with their nicknames given below.

- (c), (d), (e), (b), (a)

4. Complete the crossword puzzle with the clues given below.

Across

3. Berlin

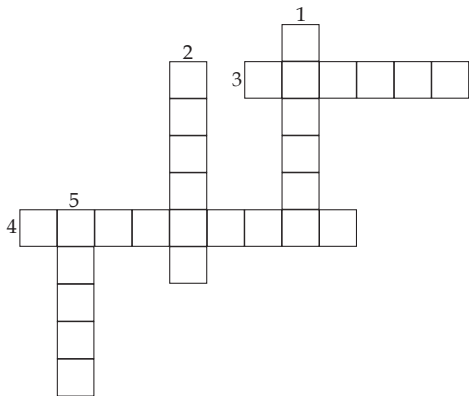
4. Amsterdam

Down

1. Geneva

2. Sydney

3. Macau



5. State whether the following statements are true or false.

(a) F

(b) T

(c) F

(d) F

(e) F

6. Read the questions and tick (✓) the right options.

- (a) Baghdad
- (b) Amsterdam
- (c) Rio de Janeiro

13

Mathematics in Everyday Life

2. Read the questions and tick (✓) the right options.

- (a) School
- (b) Scrubbing
- (c) Finances
- (d) Languages
- (e) Calculus

3. Match the following.

- (d), (
- e),
- (a),
- c), (
- b)

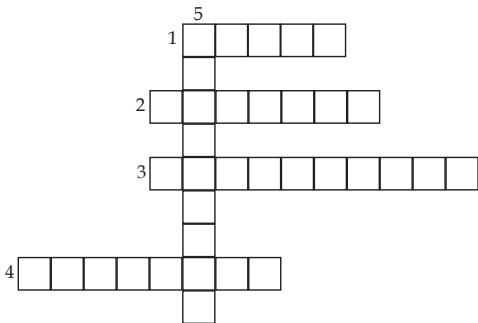
4. Solve the crossword puzzle using the clues given below.

Across

1. Civil
2. Banking
3. Statistics
4. Engineer

Down

5. Chartered



5. Find the words with the help of the clues given below.

1. Physicist

4. Statistician

2. Banker

5. Economist

3. Cryptologist

N	P	G	Z	G	X	Y	W	T	Y	M	Z	K
X	H	O	S	D	I	O	F	O	X	O	F	K
F	Y	R	V	U	U	X	G	H	D	G	O	B
E	S	T	A	T	I	S	T	I	C	I	A	N
K	I	U	E	C	O	N	O	M	I	S	T	C
X	C	U	N	U	I	F	Y	R	U	D	F	R
S	I	L	B	X	C	X	R	B	X	U	Y	F
Y	S	E	T	Z	I	E	U	A	L	B	O	Y
W	T	X	D	U	O	Y	X	N	U	P	Q	F
R	N	I	P	F	G	K	D	K	L	I	I	E
I	Q	J	C	C	K	Q	A	E	G	N	E	B
C	C	Y	W	S	P	C	J	R	C	L	Y	I
R	C	R	Y	P	T	O	L	O	G	I	S	T

14

Electricity

1. Read the questions and tick (✓) the right options.

- (a) coal
- (b) Himachal Pradesh
- (c) Cauvery River
- (d) does Not Choose a Path
- (e) Geothermal Energy

2. State whether the following statements are true or false.

- (a) T
- (b) T
- (c) T
- (d) T
- (e) T

3. Answer the following questions.

- (a) Hydroelectric Power Plant
- (b) Russia
- (c) Thermal Power Plant
- (d) Iceland
- (e) 225 metres

4. Complete the following crossword puzzle using the

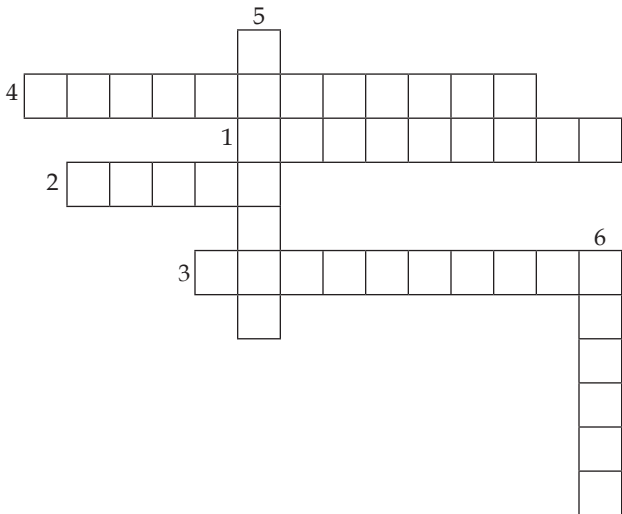
clues given below.

Across

1. Renewable
2. China
3. Kudankulam
4. Bhakra Nangal

Down

5. Tarapur
6. Mosley



15

Yoga for Teens

1. Match the yoga pose with its other name.

- (a) Virabhadrasana I
- (b) Tadasana
- (c) Surya Namaskar
- (d) Vrikshasana
- (e) Bakasana

2. Identify and name the following yoga poses.

- 1. Crane Pose
- 2. Warrior II
- 3. Warrior I
- 4. Tree Stand Pose

3. How will you do?

(a) Warrior I

- Stretch your left foot towards one side.
- Maintain a distance of approximately four feet between the two feet.



- Tilt your left foot in the left direction at an angle of 90 degrees.
- Your right foot should face your left foot at 45-degree angle.
- Move your torso in the left direction.
- Bend your left knee and stretch both the arms upwards.
- The palms of your hands should face each other in the inward position.
- Keep your fingers completely stretched.

(b) Warrior II

- Keep your feet apart about 4 feet.
- Raise both arms horizontally.
- Keep the arms parallel to the ground.
- Tilt your head towards the left direction.
- Turn your left foot in the left direction at an angle of 90 degrees.
- Keep your hips and arms straight at an angle of 180 degrees.
- Try to maintain this position for 30 seconds to one minute.

(c) Sun Salutation

- Start with mountain pose.
- Keep your palms close to each other as in the prayer position.
- Keeping your palms in the same position, gradually raise your arms.
- Bend your body forward and touch your feet with your hands.
- Move your right leg backwards.
- Keep your chin up.
- Stretch your left leg backwards.
- Your body weight should be on your hands and feet.
- Your spine should be absolutely straight.
- Move down your knees, chest and forehead.
- Your hips should not touch the floor.
- Keep your arms straight.
- Bending your back, stretch forward.
- Look up at the ceiling.
- Press your heels against the floor.
- Lift your hips with an upward thrust.

- Move the right leg to the front with your foot placed flat on the ground.
- Put both feet together and bend forward.
- Touch both feet with your hands.
- Push your arms forward and move them above your head.
- Stretch your waist to bend backwards.
- Now, come back to the mountain pose slowly.

5. List five benefits of yoga.

- Yoga helps ease digestion.
- Yoga helps relieve anxiety, depression and stress.
- Yoga leads to a more positive outlook on life.
- Yoga poses stimulate the regular secretion of hormones that are responsible for overall physical and emotional health.
- Yoga increases self-confidence

6. Some yoga-related words have been hidden in the word grid. Search and shade the words.

W	V	B	S	V	P	W	S	N	D
A	X	C	U	B	A	R	E	T	E
R	U	V	N	B	I	Y	L	L	P
R	D	F	S	M	N	U	F	L	R
I	C	R	A	N	E	D	T	S	E
O	M	X	L	C	T	Y	B	T	S
R	N	S	U	D	R	I	N	R	S
N	Z	E	T	R	E	E	D	E	I
D	C	B	A	L	A	N	C	S	O
U	E	S	T	E	E	M	Z	S	N
R	R	E	I	E	W	S	D	R	T
S	Y	D	O	G	A	X	S	W	R
L	U	R	N	C	C	S	E	R	T
M	A	N	U	S	M	R	I	T	I
T	O	L	E	R	A	N	C	E	I
C	N	C	B	F	B	D	C	F	T