

Answers

Theme 1: All About Us Ch-1: Early Civilizations

Main Coursebook

I am ready

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

Icebreaker: CIVILIZATION

I am a learner

- A. 1. c 2. a 3. b
4. c 5. b
- B. 1. fertile for farming 2. terracotta
3. Iraq 4. Ur
5. pharaoh
- C. 1. Early civilizations emerged close to rivers because rivers are an important mode of transport, and it encouraged trading between places.
2. Gurmeet is reading about the Mesopotamian civilization.
- D. 1. Following are some features of a civilization:
- large number of people living in an area
 - presence of towns and cities with well-planned houses, markets, and holy places
 - proper drainage system
 - trade with other places
2. In the beginning of the Indus Valley civilization, several cities, towns and villages emerged on the banks of the river Indus much before Christ was born. These together formed the Indus Valley Civilization. It had many important cities and towns. The two most important cities were Harappa and Mohenjo-Daro. The people were adept builders. This civilization was known for its well-planned cities and proper drainage system. The people were farmers, weavers, potters, metalworkers, toymakers, jewellers, stonecutters, seal

makers, boat makers, masons and traders. Traders used different seals to ensure the quality of the goods being traded. The famous sculpture of the dancing girl belongs to this civilization.

I am an artist: Accept all relevant responses.

MY SECRET JOURNAL: Accept all relevant responses.

I am a thinker: A good drainage system helps drain excess water which prevents flooding. As still water encourages mosquito breeding, having a good drainage system helps in having a healthy environment.

I am an all-rounder

- A. **English:** 1. pieces 2. height
B. **Maths:** $4,000 + 700 + 0 + 0$
C. **Science:** Carbohydrates, fats, proteins

I am a project whiz: Accept all relevant responses

I love my little book: Accept all relevant responses

Students' Worksheets

Worksheet 1

- A. 1. well 2. developed 3. Indus
4. two 5. laws
B. 1. false 2. true 3. false
4. true 5. false
C. 1. b 2. a 3. d
4. e 5. c

Worksheet 2

- A. 1. rivers 2. Mohenjo-daro
3. seals 4. Mesopotamians
5. pharaoh
B. 1. RIVER HWANG HO 2. KITE FLYING
3. BAMBOO PLATES 4. PAPER
5. GREAT WALL OF CHINA
C. 1. true 2. false 3. true
4. false 5. true

Worksheet 3

- A. 1. Indus 2. Harappa
3. Mesopotamian Civilization
4. ziggurats 5. pharaohs
B. 1. Mesopotamian Civilization
2. Chinese Civilization
3. Egyptian Civilization
4. Indus Valley Civilization
5. Indus Valley Civilization

- C. 1. false 2. false 3. false
4. false 5. false

Worksheet 4

- A. 1. drainage 2. terracotta 3. sculpture
4. ziggurats 5. The Sun god
B. 1. Ur 3. Tigris 4. Ziggurats
5. Euphrates
C. 1. Paper-like sheets

Teacher's Worksheets

Worksheet 1

- A. 1. fertile 2. dancing girl
3. Iraq 4. boxing and wrestling
5. Egyptians
B. 1. The Egyptians wrote on paper-like sheets made from a plant called papyrus.
2. They preserved the dead bodies of their kings.
5. They built magnificent buildings, called the Pyramids.
C. 1. DRAINAGE 2. INDUS VALLEY
3. MASONS 4. ZIGGURATS
5. COMPASS

Worksheet 2

- A. 1. builders 2. Tigris and Euphrates
3. Mesopotamians 4. Sun
5. enemies
B. 1. The Indus Valley Civilization
2. The Mesopotamian Civilization
3. The Egyptian Civilization
4. The Chinese Civilization
5. The Chinese Civilization
C. 1. A developed and organised society is called a civilization.
2. The rivers provide a ready access to water for drinking and other purposes. The areas close to rivers are fertile. Rivers are important mode of transportation and they also encourage the growth of trade.
3. The Indus Valley Civilization is known for its well-planned cities and a proper drainage system.
4. The River Nile was a lifeline for the Egyptian Civilization.
5. The Chinese were the first to grow tea and produce silk. The technique of printing was also invented by them. They also invented the compass, the umbrella and paper money.

Theme 2: Resources We Care For Ch-2: Water Resources of India

Main Coursebook

I am ready

- A. three B. Yamuna

Icebreaker: INDIAN OCEAN

I am a learner

- A. 1. c 2. a 3. c
4. c 5. b
B. 1. Farmers 2. groundwater
3. bigger 4. Tank
5. multi-purpose projects
C. 1. When rainwater falls on Earth, much of it is absorbed by the ground. This is known as groundwater.
2. Neha sees a Persian wheel which is used to draw water.
D. 1. Water covers three fourths of earth's surface. The following are the different sources of water.
• Rain – A majority of freshwater is obtained from rain.
• Groundwater – When rainwater falls on Earth, much of it is absorbed by the ground.
• Ponds and lakes – A pond is a small area of water surrounded by land. Lakes are bigger than ponds.
• Rivers – This water body is of two types. Rivers that start from the mountains carry water from melted snow and rain. These rivers carry water throughout the year. Rivers that start in the plateaus get water only from rain. They almost disappear in summer.
• Seas and oceans – They contain most of the water present on the Earth. This water is salty. Therefore, we cannot use it.
2. There are many different types of irrigation. Some of them are as follows:
• A Persian wheel, which is used to draw water.
• A Tube well, which is used to dig out water from the ground.
• Canals are small channels dug to take water from rivers to fields.
• Sometimes when it rains, low-lying areas get filled with water. These are called tanks.
• Sprinklers are used to spray water in the crops using a pipe.

- Dams are built across a river to stop the flow of water. It stores water, generates hydroelectricity, controls floods and provides water for irrigation.

I am an artist: Accept all relevant responses

MY SECRET JOURNAL: Accept all relevant responses

I am a doer: Accept all relevant responses

I am an all-rounder

- A. **English:** 1. splash 2. rustle
 B. **Maths:** 64, 615
 C. **Science:** We should wash and store woollen clothes because woollen clothes are sensitive and are easily attacked by insects.

I am a project whiz: Accept all relevant responses

I love my little book: Accept all relevant responses

Students' Worksheets

Worksheet 1

- A. 1. groundwater 2. crops
 3. small 4. rainwater 5. two
 B. 1. RAIN 2. GROUNDWATER
 3. PONDS 4. LAKES 5. RIVERS
 C. 1. false 2. false 3. true
 4. true 5. false

Worksheet 2

- A. 1. seas 2. irrigation 3. draw
 4. groundwater 5. channels
 B. 1. e 2. a 3. d
 4. b 5. c
 C. 1. false 2. false 3. false
 4. true 5. true

Worksheet 3

- A. 1. mountains 2. plateaus 3. salty
 4. Punjab 5. Rainwater
 B. 1. false 2. false 3. false
 4. true 5. true
 C. 1. Well and tube wells 2. Canals
 3. Tanks 4. Sprinklers 5. Dams

Worksheet 4

- A. 1. Water 2. Farmers 3. summer
 4. tubewells 5. rivers
 B. 1. WELL 2. TANK 3. CANAL
 4. TUBEWELL 5. SPRINKLER
 C. 1. dam

Teacher's Worksheets

Worksheet 1

A.

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

- B. 1. Wells are dug to use ground water.
 5. Wells and tube wells are extensively used in Uttar Pradesh, Punjab, Haryana and Gujarat.
 C. 1. False 2. False 3. True
 4. True 5. True

Worksheet 2

- A. 1. Rain 2. Groundwater
 3. Ponds and lakes 4. Rivers
 5. Seas and oceans
 B. Accept all relevant responses.
 C. 1. When rainwater falls on the Earth, much of it is absorbed by the ground. This is known as groundwater.
 2. Canals are small channels dug to take water from rivers to fields.
 3. Tank irrigation is practiced mainly in Tamil Nadu, Andhra Pradesh, Karnataka and Madhya Pradesh.
 4. In this method, water is sprayed into the air using a pipe. It falls on the crops like rain.
 5. Dams generates hydroelectricity.

Theme 2: Resources We Care For Ch-3: Mineral Resources of India

Main Coursebook

I am ready: Accept all relevant responses

Icebreaker: RICE

I am a learner

- A. 1. a 2. a 3. a
 4. a 5. a
 B. 1. False 2. True 3. True
 4. False 5. True
 C. 1. Mining is the process of obtaining minerals from under the ground.
 2. Minerals from which we obtain metals like bauxite, copper, gold, iron ore, etc. are metallic minerals.
 3. Maya uses a bicycle.

- D. 1. Copper, iron, manganese, bauxite and gold are metallic minerals. They are obtained from mines and melted in large factories to produce pure metals.
- Bauxite is mainly used to make aluminum, which is used to make aeroplanes, utensils, etc.
 - Copper is used to make tools, electrical wires, etc.
 - Gold is used to make jewellery.
2. Fossil and mineral fuels are non-metallic minerals. Minerals like limestone, salt, petroleum, coal, etc. are examples of non-metallic minerals. They are extracted from far down the earth. Special wells are dug to reach and extract minerals like oil.

I am an artist: Accept all relevant responses

MY SECRET JOURNAL: Accept all relevant responses

I am a thinker: Natural gas

I am an all-rounder

- A. **English:** 1. faulty 2. caught
 B. **Maths:** 2133 items
 C. **Science:** Hot coal can be used in a steam iron to remove the creases of clothes.

I am a project whiz: Accept all relevant responses

I love my little book: Accept all relevant responses

Students' Worksheets

Worksheet 1

- A. 1. Surface 2. Mining 3. holes
 4. resources 5. jewellery
 B. 1. ORES 2. SEA 3. MINE
 4. MINERALS 5. STEEL
 C. 1. false 2. true 3. false
 4. false 5. false

Worksheet 2

- A. 1. deep inside the Earth's surface
 2. mining 3. aluminium
 4. gold 5. non-metallic minerals
 B. 1. M 2. M 3. N
 4. M 5. N
 C. 1. b 2. a 3. e
 4. c 5. d

Worksheet 3

- A. 1. Metal 2. metallic 3. Manganese
 4. non-metallic 5. oilfield

- B. 1. GOLD 2. IRON ORE 3. COPPER
 4. COAL 5. NATURAL GAS
 C. 1. false 2. false 3. false
 4. false 5. true

Worksheet 4

- A. 1. gold
 B. 1. salt
 C. 1. true 2. false 3. false
 4. false 5. true

Teacher's Worksheets

Worksheet 1

- A. 1. Bauxite, copper, gold, iron ore, manganese
 2. Limestone, salt, precious stones, coal and petroleum
 3. Madhya Pradesh and Chhattisgarh
 4. Assam and Gujarat
 5. Manganese is used to make steel and other alloys.
 B. 1. Oilfields 2. Petroleum coal
 3. metals 4. Gold
 5. compressed natural gas
 C. 1. GOLD 2. MANGANESE
 2. PETROLEUM 4. FUEL
 5. GAS

Worksheet 2

- A. Accept all relevant responses.
 B. 1. Accept all relevant responses.
Possible responses: Odisha
 2. Accept all relevant responses.
Possible responses: Jharkhand
 3. Accept all relevant responses.
Possible responses: Karnataka
 4. Accept all relevant responses.
Possible responses: Goa
 5. Accept all relevant responses.
Possible responses: Maharashtra
 C. Accept all relevant responses.

Theme 3: We Adapt to Survive Ch-4: Emperor Ashoka

Main Coursebook

I am ready: Accept all relevant responses

Icebreaker: NATIONAL AMBLEM

I am a learner

- A. 1. b 2. c 3. c
 4. c 5. b

- C. 1. EMPIRE 2. DYNASTY
 3. EDICTS 4. PILLARS
 5. PLACES

Worksheet 2

- A. 1. True 2. False 3. True
 4. True 5. True
 B. 1. Bindusara 2. wooden 3. 30
 4. Dhamma 5. tours
 C. Accept all relevant responses.

Theme 4: Things We Need Ch-5: Maps

Main Coursebook

I am ready

- A. Delhi B. Nepal
 C. Bay of Bengal D. Madhya Pradesh

Icebreaker: SPHERICAL

I am a learner

- A. 1. b 2. c 3. b
 4. c 5. c
 B. 1. globe 2. atlas 3. rainfall
 4. scale 5. shallow waters
 C. 1. The names of the eight directions are: east, west, north, south, north-east, north-west, south-east, and south-west.
 2. In a map, the practice of keeping the proportions of elements same, such as continents and oceans as they are in the real world, while changing their size is known as drawing to scale.
 3. Neha is marking deep waters.
 D. 1. The three types of maps are:
 Physical maps show landforms, such as mountains, plains
 Political maps show countries and their capitals
 Climatic maps show general information about climate and rainfall
 2. Shades of blue show water bodies, shades of green show plains or lowlands, and shades of brown show highlands.

I am an artist: Accept all relevant responses

MY SECRET JOURNAL: Accept all relevant responses

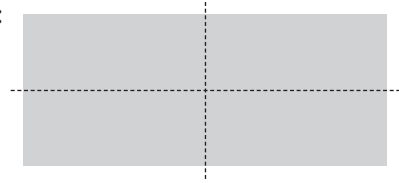
I am a thinker: The Earth looks mostly blue because it is three fourths of water.

I am an all-rounder

A. English

1. The first atlas was published by a Flemish cartographer.
 2. A globe is an accurate model of the Earth.

B. Maths:



- C. **Science:** Srinagar is in the northern part of India. Sheep give wool. They give birth to their younger ones.

I am a project whiz: Accept all relevant responses

I love my little book: Accept all relevant responses

Students' Worksheets

Worksheet 1

- A. 1. Earth 2. difficult 3. Latin
 4. spherical 5. Physical
 B. 1. a napkin 2. cartographer
 3. sphere 4. East 5. brown
 C. 1. An atlas is a book of maps.
 2. We use a map to study the Earth.
 4. The word 'map' has been derived from the Latin word, *mappo*.

Worksheet 2

- A. 1. accurate 2. flat 3. Climatic
 4. four 5. space
 B. 1. G 2. M 3. G
 4. G 5. M
 C. 1. false 2. true 3. false
 4. true 5. true

Worksheet 3

- A. 1. details 2. atlas 3. West
 4. scale 5. symbols
 B. 1. e 2. a 3. d
 4. b 5. c
 C. 5. South-East

Worksheet 4

- A. 1. Earth 2. maps of forests and wildlife
 3. four 4. plains or lowlands
 5. legend
 B. 3. Shades of blue show deep waters.
 4. Shades of light blue show water bodies.
 C. 5. South-South

Teacher's Worksheets

Worksheet 1

- A. 1. GLOBE 2. ATLAS 3. LANDFORM
4. CIRCLE 5. LEGENDS
- B. 1. True 2. False 3. True
4. False 5. True
- C. 1. EARTH 2. GLOBE 3. MAPS
4. SCALE 5. DIRECTIONS

Worksheet 2

- A. Accept all relevant responses.
Possible responses:
- Physical maps
 - Political maps
 - Climatic maps
 - Population maps
 - Industries maps
- B. Accept all relevant responses
- C. 1. A map is a representation of the Earth's surface or a part of it on a flat medium.
2. Flemish Cartographer, Gerardus Mercator published the first atlas.
3. The four major directions are – North, South, East and West
4. The scale can be understood as the ratio between the distance on the ground and the distance on the map. Maps are always drawn to scale.
5. Key or legend are given on a map to help us understand the colour scheme and the symbols used.

Theme 5: Our Universe Ch-6: Satellites

Main Coursebook

I am ready

- A. explorer B. astronaut

Icebreaker: PLANET

I am a learner

- A. 1. c 2. b 3. c
4. c 5. c
- B. 1. Moon 2. rockets 3. 1957
4. Remote 5. IRS-1A
- C. 1. Artificial satellites are man-made and natural satellites exist naturally.
2. Artificial satellites are used for communication, weather forecasting, and remote sensing.
3. Communication satellites aid this.
- D. 1. Meteorological satellites help us predict the weather by taking pictures of the

movements of clouds. They give us early warnings of dangerous storms, cyclones, forest fires, floods or moving glaciers. These satellites also monitor rainfall. This helps our farmers plan the cultivation of crops better.

2. India has a strong space programme like many other countries. India launched its first communication satellite, Aryabhata, in 1975. India's GSAT (Geostationary Satellites) satellites are used for the purpose of audio-visual communication. IRS-1A, India's first remote sensing satellite, was launched on 17 March 1988. Today, several highly advanced Indian Earth Observation (EO) Satellites are floating in space. These satellites help scan the Earth's surface.

I am an artist: Accept all relevant responses

MY SECRET JOURNAL: Accept all relevant responses

I am a doer: Accept all relevant responses

I am an all-rounder

A. English:

1. a. man-made 2. a. harmful

B. **Maths:** 53 is a prime number because it is divisible only by 1 and the number itself.

C. **Science:** The Moon revolves around the Earth. It takes 27 days and 8 hours to revolve around the Earth.

I am a project whiz: Accept all relevant responses

I love my little book: Accept all relevant responses

Students' Worksheets

Worksheet 1

- A. 1. Object 2. Natural artificial
3. Moon 4. surface 5. crops
- B. 1. Moon 2. rockets 3. television
4. October 5. Aryabhata
- C. 3. Moon

Worksheet 2

- A. 1. Satellites 2. man 3. weather
4. map 5. IRS/1A
- B. 1. A 2. A 3. N
4. A 5. A
- C. 1. false 2. true 3. false
4. true 5. true

Worksheet 3

- A. 1. help us predict weather
2. give us early warnings of natural disasters
3. help us in disaster management efforts
4. monitor rainfall
5. help farmers plan cultivation
- B. 5. 1975
- C. 1. c 2. e 3. d
4. a 5. b

Teacher's Worksheets

Worksheet 1

- A. 1. Artificial satellites are launched into space with the help of rockets.
3. Remote sensing satellites help us map different parts of the Earth.
5. GSAT satellites are used for the purpose of audio-visual communication.
- B. 1. natural satellite 2. signals
3. movements of clouds
4. Remote sensing satellites 5. IRS-1A
- C. 1. True 2. True 3. False
4. True 5. False

Worksheet 2

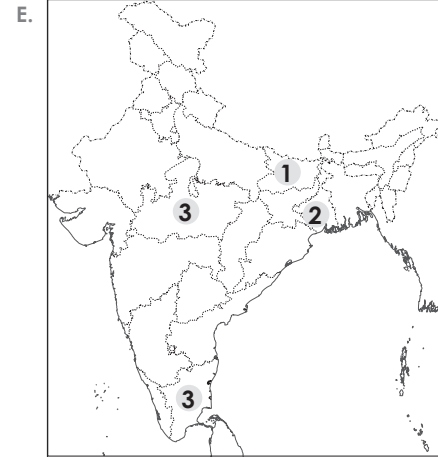
- A. 1. satellite 2. man-made
3. 4 October, 1957 4. space
5. Geostationary Satellites
- B. 1. False 2. True 3. False
4. True 5. True
- C. Accept all relevant responses.
Possible response: Artificial satellites are designed for scientific research as well as entertainment. They give us valuable information about the atmosphere of the Earth. Some of their uses are: Communication, Weather forecasting, Remote sensing.

Enrichment Activities

- A. Accept all relevant responses
- B. 1. Indus Valley Civilization
2. Mesopotamian Civilization
3. Egyptian Civilization
4. Egyptian Civilization
5. Chinese Civilization

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

- D. Accept all relevant responses



Revision Worksheet

- A. 1. b 2. a 3. a
4. c 5. b
- B. 1. c 2. a 3. b.
4. e 5. d
- C. 1. bamboo plates 2. two
3. water 4. the Earth's surface
5. man-made
- D. 1. Papyrus are paper-like sheets made from a plant. The Egyptians used it to write.
2. Non-metallic minerals such as petroleum, coal, limestone, etc. are used as fuels. These minerals are called fossil fuels or mineral fuels.
3. Sprinklers are used for irrigation purposes. With the help of a sprinkler, water is sprayed into the air using a pipe. The water then falls on crops like rain.
4. After the Kaling War, seeing at the death and destruction, Ashoka decided to give up the policy of conquest through war and began to follow a policy of conquest through the teachings of Lord Buddha.
5. Flemish cartographer, Gerardus Mercator published the first-ever atlas.

6. The Chinese civilization came up along the River Hwang Ho. The king held a very powerful place in the Chinese society. Priests, officers and soldiers, helped the king rule. The Chinese worshipped the sky, the Sun, the rivers. The Great Wall of China was built to keep out their enemies. Tea was first grown by the Chinese. Compass, umbrella, paper money is some of the important inventions by the Chinese.
7. Dams are very strong walls built across a river to stop the flow of water. A reservoir or an artificial lake is created behind a dam. It helps control floods and provide water for irrigation.
8. Three metallic minerals are: copper, bauxite and manganese.

9. *Dhamma* is a path laid by Lord Buddha. It is a policy of conquest not through war but through tolerance, coexistence, non-violence and respect for elders.
 10. The world's first artificial satellite was launched into space on 4 October 1957.
- E.
1. River Indus River Tigris
 2. Karnataka Madhya Pradesh
 3. Canals Tanks
 4. Physical map Political map
 5. Aryabhata IRS-1A