

Chapter# 7: Inventors and inventions

Knowledge corner:

Q: who invent the first pinhole camera? (Ans. On book Pg: 30)

Think

Ans: By sharing our data in seconds, get information of the world.

Let's read

A. Answer the following questions

Q1: Ans. When we think of something new and make it for the first time it is called an invention.

Q2: Ans. The important characteristics of an inventor are:

Enthusiasm habitat of pondering Hardworking decision God

Q3: Ans. Life would be very difficult without major inventions.

B. Fill in the blanks:

1. An invention
2. 12
3. Stethoscope

C. Match the columns

A	1	2	3	4
B	2	1	4	3

Let's find out!

Any two:

1. Elephant clock by Al Jazari (12th century)
2. Pinhole camera by Ibn Haytham (10th century)
3. Flying machine by Abbas Ibn Firans (9th century)
4. Ibn – e – Nafis describes the circulation of blood.

Let's do it:

Class discussion on the inventions of 20th century. Such as; Airplane Fulfill the dream to fly and cover huge distance within minutes.

Air conditioner... to make life easier

Chapter# 8: Our changing world

Knowledge corner

Q: Which were one of the first groups on earth to being farming? What did they grow and where? (Ans. is on book. Pg: 35)

Fact Byte:

Q1: Who invented the first rocket? (Ans. on book Pg: 37)

Q2: What are the uses of solar energy? (Ans. on book Pg: 37)

Think

Ans: Advantages

1. we can communicate with others.

2. we get information through it.

Disadvantages:

1. We waste our time.
2. It effect on our eyesight.

Pg: 39. let's read

A. Answer the following Questions

Q1: Ans. Today farmers use modern farm machinery. Now less effort and time results in huge production using modern technology.

Q2: Ans. New scientific inventions change our lives by making our daily tasks easy and comfortable.

Q3: Ans. Inventions in the field of communication have made the world a global village such as telegraph, telephone etc.

B. Fill in the blanks.

1. microchip
2. E – book reader

C. Write "True" or "False"

1. false
2. true
3. true

Let's find out

Five advantages of each:

Electric bulb:

1. it gives little light.
2. it saves energy.
3. We can do work at night.
4. It saves us from darkness.
5. We can get light.

Computer:

1. We can exchange data.
2. We connect with each others.
3. We can get information.
4. We can search everything.
5. We can share data.

Microwave oven:

1. We can cook food.
2. We can bake cake.
3. We can save time.
4. We cook food without smoke.
5. We can use simple pot to heat food.

Telephone:

1. We can chat with others.
2. We remain in touch with others.
3. We can know about others.
4. We can calculate data.
5. We get knowledge through it.

Let's do it:

Picture	Inventor name	Inventions
	Thomas Edison	Invented many different things including the light bulb.
	Willis carrier	Invented the air conditioner
	Wright brothers	Invented the air plane.
	Percy Spencer in (1946)	Microwave oven
	Alexander Garahmbell	Invented telephone

Chapter# 9: The Sun

Knowledge Corner

Q: What is the centre of the world and cardinal directions? (Ans. is on book Pg: 42)

Think

Ans: Due to the absence of sunlight.

Let's read

A. answer the following questions

Q1: Ans. The four cardinal directions are: east, west, north and south.

Q2: Ans. We can find the cardinal directions by using the location of the rising sun in the morning.

Q3: Ans. People would tell the time by looking at the size of a shadow created by the position of sun.

B. Fill in the blanks.

1. sun
2. four
3. sun

C. Write "True" or "False"

1. false
2. true
3. true

Let's find out:

Ans: Because earth is more nearer to the sun in summer as compared to the winter.

Let's do it:

1. East
2. south
3. west

Chapter# 10: Past and Present Things

Knowledge corner

Q: When and who built the famous Grand trunk road? (Ans. on book Pg: 47)

Think:

Ans: Yes, It is possible to reduce traffic problems by sharing cars.

Let's read

A. Answer the following questions:

Q1: Ans. Present time is always different from the past time. For example, Our height, our books and our likes all are different.

Q2: Ans. Now there are more schools then the past and our well equipped with scientific and computers labs.

Q3: Ans. In the past mostly tongas were seen on the road and now the roads are full of modern vehicles.

B. Fill in the blanks:

1. Bazar
2. different
3. less

C. Write "True" or "false"

1. true
2. false

Let's find out:

Ans: Our community has changed a lot with the passage of time.

Now there are more schools and paved road with modern vehicles. More hospitals etc.

Let's do it:

Students activity