

Answers for all in one Book Grade 8

Science Papers

Paper 1

Section A MCQ

1	2	3	4	5	6	7	8	9	10
A	C	A	D	C	A	A	B	A	C

Section B

Question 1

1	2	3	4	5	6	7	8	9	10
True	False	True	False	True	True	True	True	False	True

Question 2

- a) i) insoluble ii) filtration
b) i) calcium, carbon, oxygen ii) CaCO_3
c) calcium chloride, water and carbon dioxide

Question 3

- a) 20 cm^3 b) 3.75 g/cm^3 c) the stone is denser than water
d) 0.75 N e) weighs less f) 2.25 J

Question 4

(i)

- (a) A stomach
B pancreas
D liver

(b) A and C

(c) C

(ii)

1 biscuits

2 33 g

3 starch

4 protein

Paper 2

Section A MCQ

1	2	3	4	5	6	7	8	9	10
C	A	D	D	C	C	D	D	D	C

Section B

Question 1

a	Hand pick	f	Greater
b	Sodium	g	Iodine
c	Universal	h	Iron
d	Parallax	i	Small
e	Force	j	Communicable

Question 2

a) beaker, Bunsen burner, sea water, water

b) NaCl c) i) hydrochloric acid, sodium hydroxide

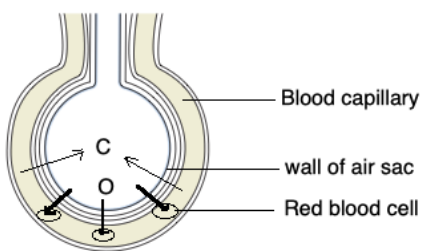
ii) hydrochloric acid + sodium hydroxide $\rightarrow$ sodium chloride + water

Question 3

3) a) i) 64 m^3 ii) 96 kg b) 960 N c) 60 Pa d) 4 800 J

Question 4

(i) (a) – (d)



(ii)

Gas	Inhaled air/ %	Exhaled air/ %
Nitrogen	79	79
Oxygen	20	16
Carbon dioxide	0.03	4
Water vapour	variable	saturated
Rare gases	<1	<1

Paper 3

Section A MCQ

1	2	3	4	5	6	7	8	9	10
A	D	B	D	A	A	B	D	D	C

Section B

Question 1

1	Zero error	6	Alkali
2	Solute	7	Salt
3	Evaporation	8	Rickets
4	Pressure	9	Opium
5	Potential energy	10	Peristalsis

Question 2

a) mixture of 2 or more metals containing some non metals

b) copper , zinc c) to make musical instruments

d) i) MgO ii) base iii) magnesium chloride and water

iv) Magnesium oxide + hydrochloric acid → magnesium chloride + water

Question 3

- a) i) 8 m^3 ii) 2 kg/m^3
b) i) pressure is force acting per unit area unit Pascal
ii) 6.25 Pa c) 4 m

Question 4

- (a) (i) X: molar
 Y: canine
 Z: incisor

(ii)

Type of tooth	Number
X	6
Y	2
Z	4

(iii)

X: It is used for crushing and grinding of food.

Z: It is used for cutting and biting.

(b) Mineral: Calcium

Vitamin: Vitamin D

(c) (i) Mechanical digestion is the physical breakdown of food by the action of teeth or muscles.

(ii) Mechanical digestion is important to provide large surface area for chemical digestion to take place.