

Year 8

Science Homework Booklet

Autumn Two

Complete all the tasks to the best of your ability.

Loss of this booklet will result in a 60 minute referral.

Task Set	Due Date
1- Research	
2- Extended Writing	
3- Exam Questions	
4- Science in the News	

Student Name:

Form Group:

Science Set:

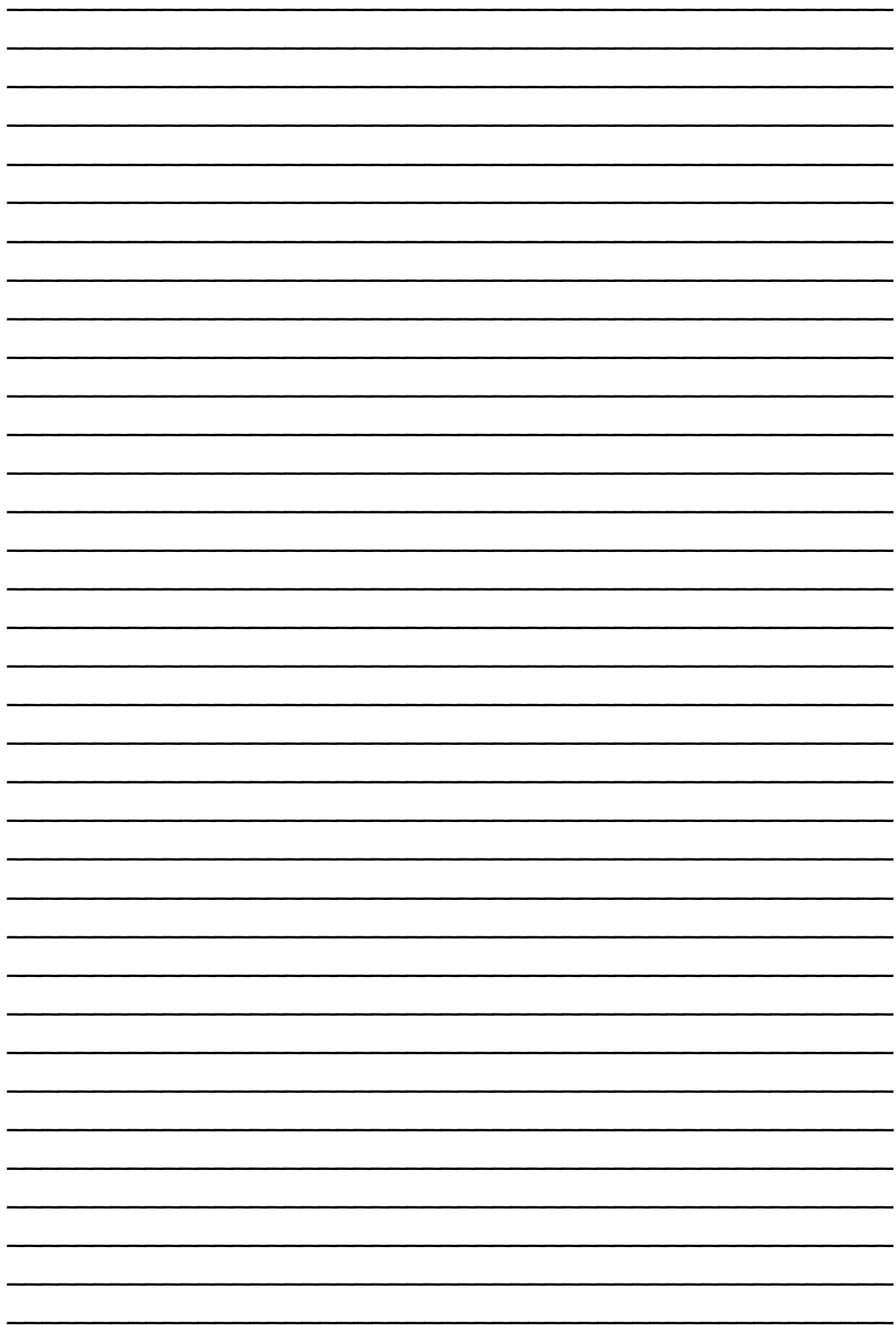
Science Teacher:

Self Assessment

Signed:





Literacy: SP P EXP PL T ^ C //



Self Assessment

Signed: _____



Literacy: SP P EXP PL T ^ C //

Task Three- Exam Questions

Answer the exam questions which link to the topic you have been learning about:

Remember your exam technique:

- Highlight any key words in the question.
- Look how many marks the question is worth.
- How many marks = how many correct points you need to make.
- How many marks= roughly how many minutes you should be spending on that question
- Answer the question THEN double check- have you definitely done what the question has asked you to do?

- Q1.** (a) Many chemicals are dangerous if not used carefully.
Read the **two** hazard descriptions. Look at the hazard labels.
Draw a line from each description to the correct label.

hazard labels



P

hazard descriptions

POISONOUS

This will cause damage
if swallowed



Q

CORROSIVE

This can attack or
dissolve many things



R



S



T

2 marks

(b) The label on a bottle of kitchen cleaner says:

It leaves kitchen and bathroom surfaces bright and shiny.

Another part of the label says:

Contains sulphamic acid

Irritating to eyes and skin

Keep out of reach of children

- (i) The chart shows the colour of universal indicator in different solutions.

type of solution	strongly acidic	weakly acidic	neutral	weakly alkaline	strongly alkaline
colour of universal indicator	red	orange	green	blue	purple

What colour will the kitchen cleaner turn universal indicator?

.....

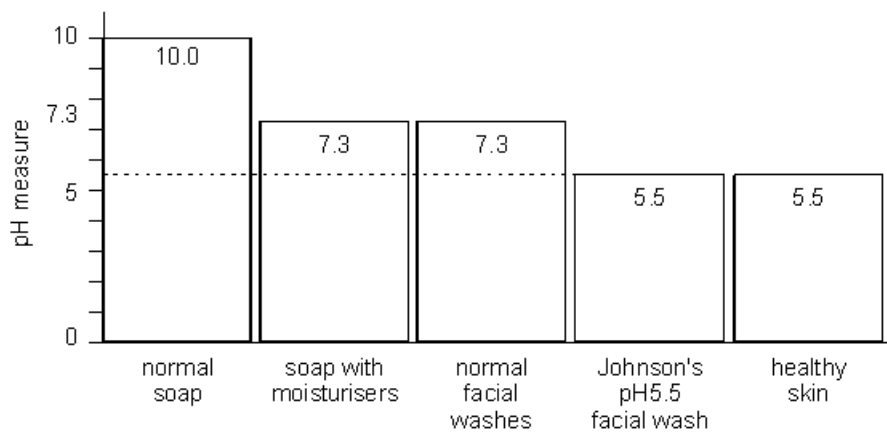
1 mark

- (ii) Which hazard label do you expect to see on the bottle?
Write the correct letter from the list above.

.....

1 mark
Maximum 4 marks

Q2. The chart is taken from a bottle of *Johnson's pH5.5 Facial Wash*.



- (a) From the information in the chart give:

- (i) a substance which is almost neutral.

.....

1 mark

(ii) the substance which is most alkaline.

.....

1 mark

(b) Tick **one** box to describe Johnson's facial wash.

It is very alkaline.

It is slightly alkaline.

It is neutral.

It is slightly acidic.

1 mark

(c) A bee sting is acidic. Which **one** of the substances given in the chart would be best to neutralise the sting?

.....

1 mark

Maximum 4 marks

Q3. Hydrochloric acid is a strong acid.

(a) Winston used universal indicator solution to find the pH of some hydrochloric acid.

(i) Suggest the **colour** of the mixture of universal indicator solution and the hydrochloric acid.

.....

1 mark

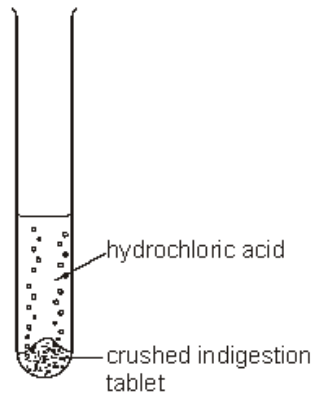
(ii) Suggest the **pH** of the hydrochloric acid.

.....

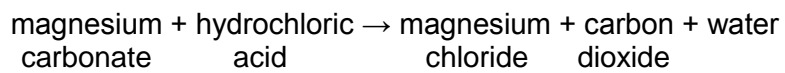
1 mark

(b) Indigestion can be caused when too much hydrochloric acid is produced in the stomach.
Magnesium carbonate can be used to treat indigestion.

Winston crushed some indigestion tablets containing magnesium carbonate. He added them to hydrochloric acid in a test-tube. The mixture fizzed.



The word equation for the reaction is shown below.



- (i) Use the word equation to explain why the mixture fizzed when the reaction took place.

.....
.....

1 mark

- (ii) Winston continued to add crushed tablets to the acid until the mixture stopped fizzing.
Why did the fizzing stop?

.....
.....

1 mark

- (c) When magnesium carbonate reacts with hydrochloric acid, magnesium chloride is formed.

Which **two** words describe magnesium chloride?
Tick the **two** correct boxes.

a compound

a mixture

an element

a salt

a metal

a solvent

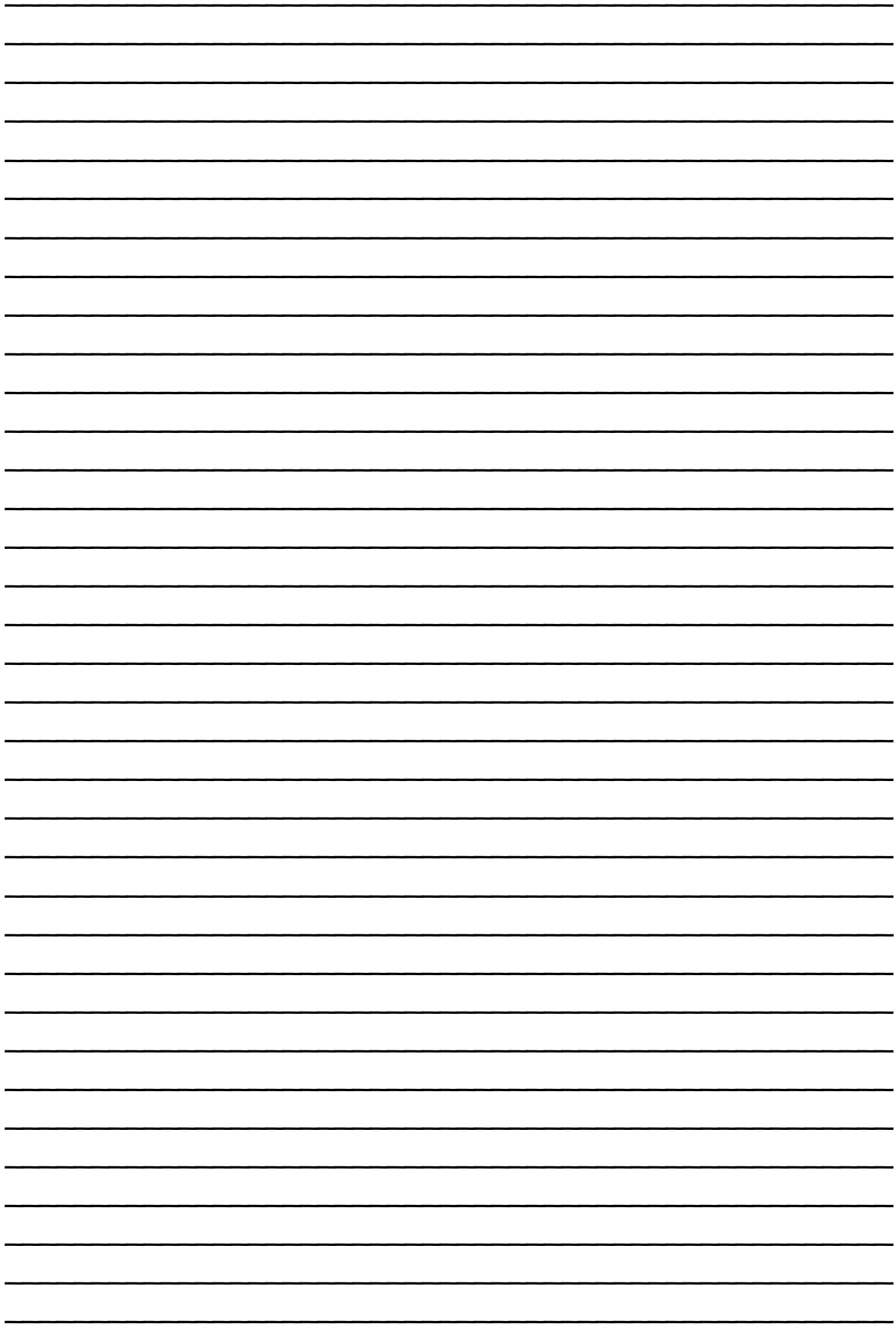
2 marks

- (d) It is important that the hydrochloric acid in the stomach is **not** completely neutralised by indigestion tablets.

Why is hydrochloric acid needed in the stomach?

.....
.....

1 mark
maximum 7 marks



Review of Autumn One Homework Booklet

Peer Assessment

Signed:







How has this homework booklet helped you in Science?

How could this booklet be improved for next half term to help you further in Science?

Teacher comments

