

Yr 8 science work for the period 29/6 to 3/7

Tuesday-

Memory games – element names and symbols

Wednesday-

Experiment checking out appearances of some elements. Page 32 experiment 2.2

Thursday-

(Shortened period) revise the differences between elements, compounds and mixtures. Look at molecules. Pages 40-42 of the textbook

Friday-

Experiment 2.9 Mix 'n' match molecules

Homework- p43 remember and think activities.

Yr 8 science work for the period 6/7 to 9/7

Wednesday-

Begin chapter 3- chemical reactions and complete the following:

1. Find the definitions of the following words and phrases. Use pages 54 -71 to help you.

Chemical change

Chemical reactions

Change of state

Physical change

Precipitate

Reactants

Products

Chemical Equation

corrosion

galvanising
surface protection
catalyst
enzyme
ions
acid
base
salt
neutralisation
oxidation

2. Use a diagram to show the difference between the following changes on state:

Melting

Evaporating

Condensing

Freezing

3. Complete the following activities:

page 55- remember and think.

Page 56- remember and think

Thursday-

Computer research as follows:

1. Research how candles are made. Draw a flow chart to show the production process.

2. Chinese in about the second century BC. Before paper became available, other materials were used to write on, including papyrus, liber, parchment and vellum. Find out how these materials were made

2. Choose one of the materials below and find out how it is manufactured.

Glass PVC

polystyrene
steel
nylon
soap

polyethylene
aluminium
polyester
margarine

4. Which chemicals are present in dynamite.

5. Acid rain is causing significant damage to forests, monuments and historical buildings in certain parts of the world. Explore some information about acid rain and answer the questions:

- a) What are the chemical reactions that cause acid rain to form?
- b) What are the chemical reactions that happen when acid rain reacts with buildings?
- c) What damage does acid rain cause to the natural and built environment.
- d) Write a letter to the government explaining the problems associated with acid rain. In your letter recommend action that should be taken to reduce the possible damage caused by acid rain.

6. Cold packs are used for treating sporting injuries, without having to worry about carrying ice. They use an endothermic change to go very cold.

- a) Investigate how a cold pack works, including whether it is a chemical or physical change.

duced