

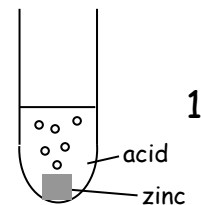
Homework 5.2

1. a) Name two metals which react quickly with water. 1
 and
- b) Name two metals which quickly react with dilute acid. 1
 and
- c) Name two metals which do react with either water or dilute acid. 1
 and

2. Zinc metal reacts with dilute hydrochloric acid and a gas is produced.

a) **Complete** the following word equation.

zinc + hydrochloric acid \longrightarrow + hydrogen

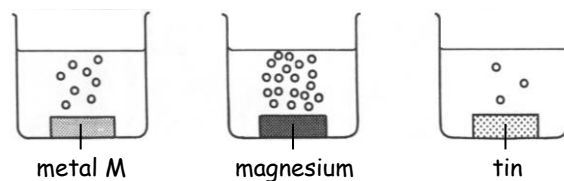


b) How would you test the gas released to show it was hydrogen?

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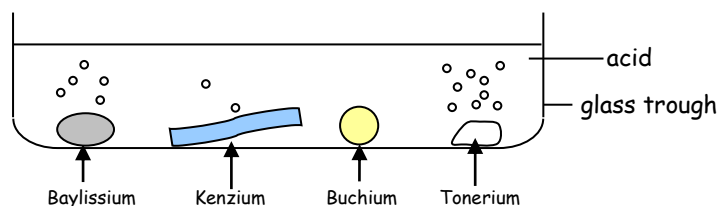
3. Use page 6 of the data booklet to suggest a name for metal M

Metal M could be



1

4. Four new metals are discovered and the following experiment is carried out to work out the order of reactivity of the new metals.



Place the elements in order of reactivity, with the most reactive metal first.

..... > > >

2

5. a) Which two substances must be present if iron metal is to rust?

..... and

2

b) What colour does rust indicator turn in the presence of rust?

.....

1

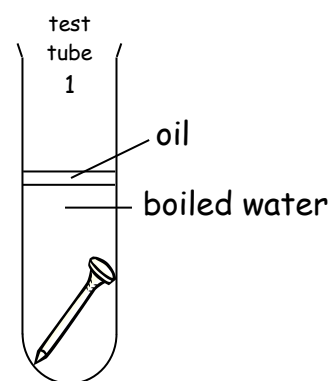
c) Name two substances which can speed up rusting.

..... and

2

d) Explain why the nail does not rust in test tube 1.

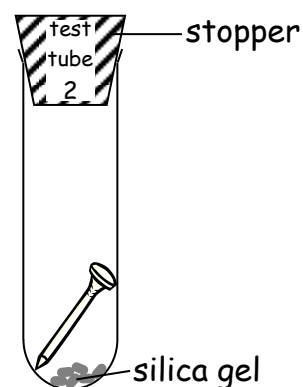
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1

e) Explain why the nail in test tube 2 does not rust.

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.....
.....



1

total
15