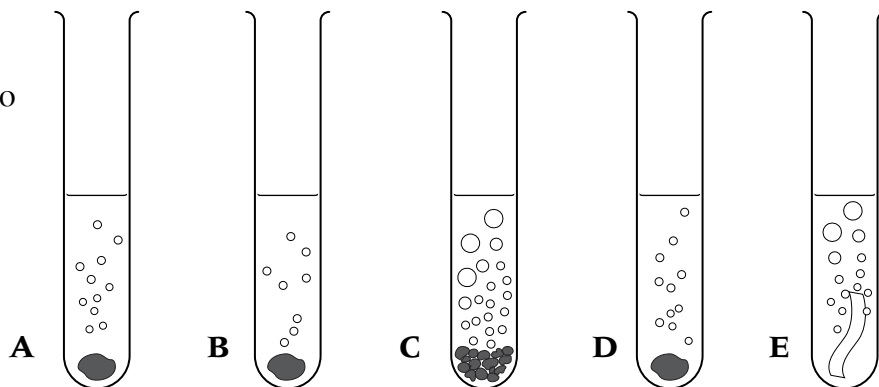


Sunita and Danny did an experiment using metals and acids. They wanted to see which metal reacted the fastest. This diagram shows their results.



1 How can you tell that the reactions are producing a gas? _____

2 a What is the gas that the reactions are producing? _____

b Describe how they could test for this gas. _____

3 a Which metal reacted the fastest? _____

b How did you work out your answer to part a? _____

4 Danny made a mistake in the experiment. Two of the metals were the same.

a Which two metals were the same as each other? _____

b How did you work out your answer? _____

5 Write down two things that Sunita and Danny must keep the same each time to make sure their test is fair.

i _____

ii _____

6 Complete the following sentences using words from the box. You do not need to use all the words.

Acids and _____ can _____ together.

We know that a _____ reaction has

happened because a new substance is formed.

_____ gas is a _____ of the reaction.

The _____ and the metal are _____.

acid	chemical
hydrogen	metals
new	oxygen
physical	product
react	reactants