

**Paper Reference(s) 1CH0/1H**  
**Pearson Edexcel Level 1/Level 2 GCSE (9–1)**

**Chemistry**  
**Paper 1**  
**Higher Tier**

**Thursday 14 May 2020 – Morning**

**Time: 1 hour 45 minutes plus your additional time allowance**

## **DIAGRAM BOOKLET**

**DO NOT RETURN THE DIAGRAM BOOKLET  
WITH THE QUESTION PAPER**

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Question 1(a)

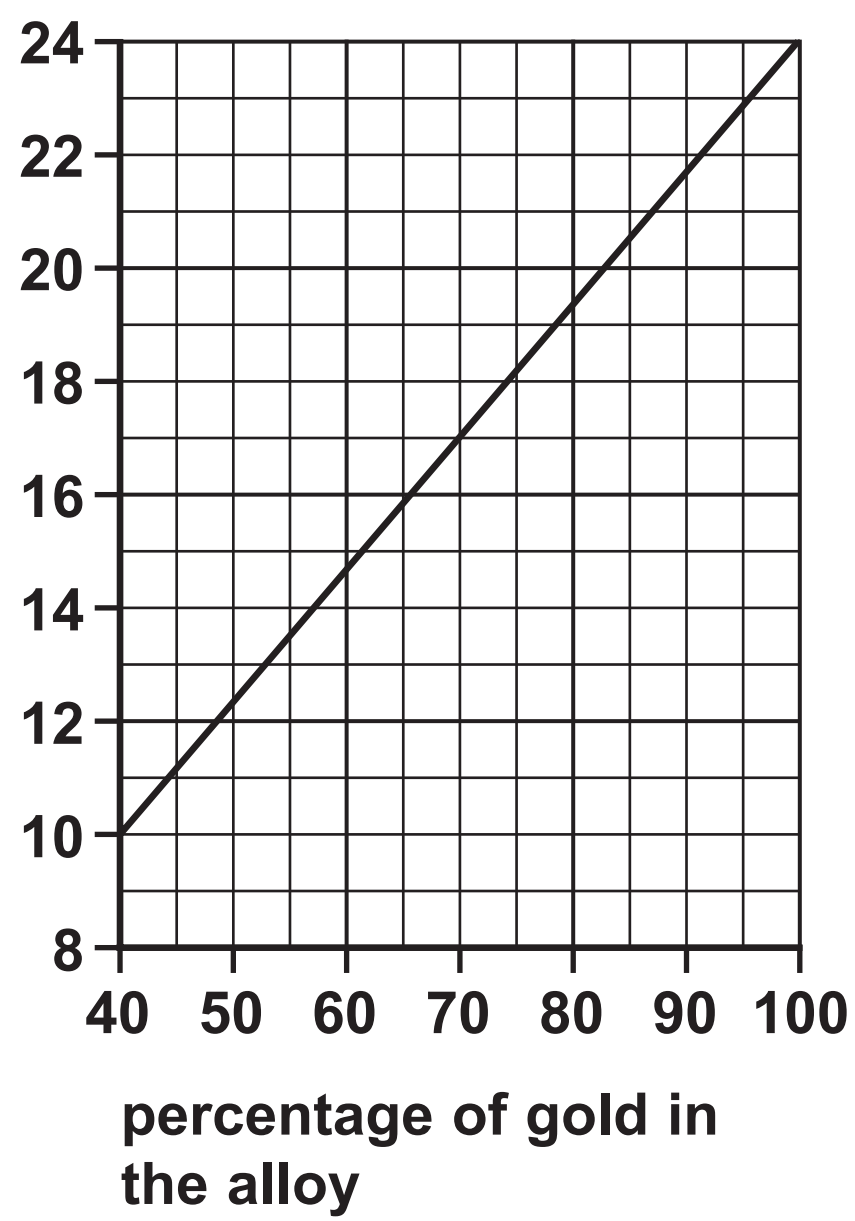
Figure 1

percentage of metal			
	gold	silver	copper
18 carat gold	75·0	15·0	10·0
24 carat gold	100·0	0·0	0·0

## Question 1(b)

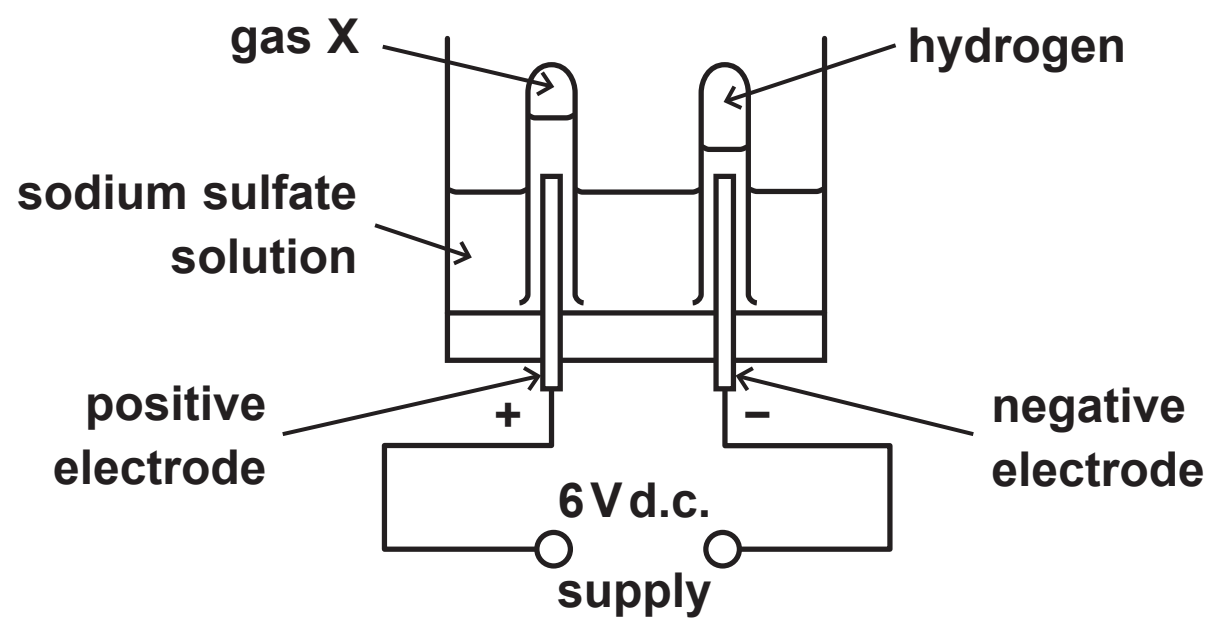
Figure 2

**purity of gold  
in carats**



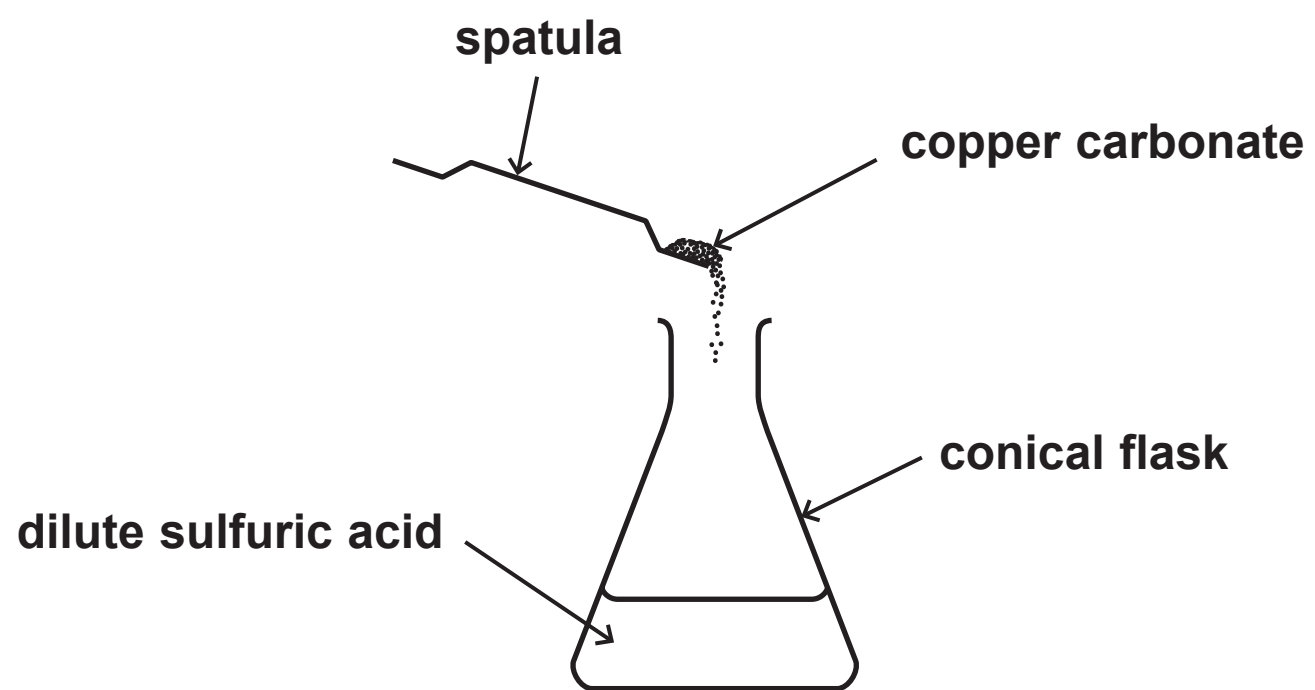
## Question 2(a)

Figure 3



## Question 3(b)

Figure 4

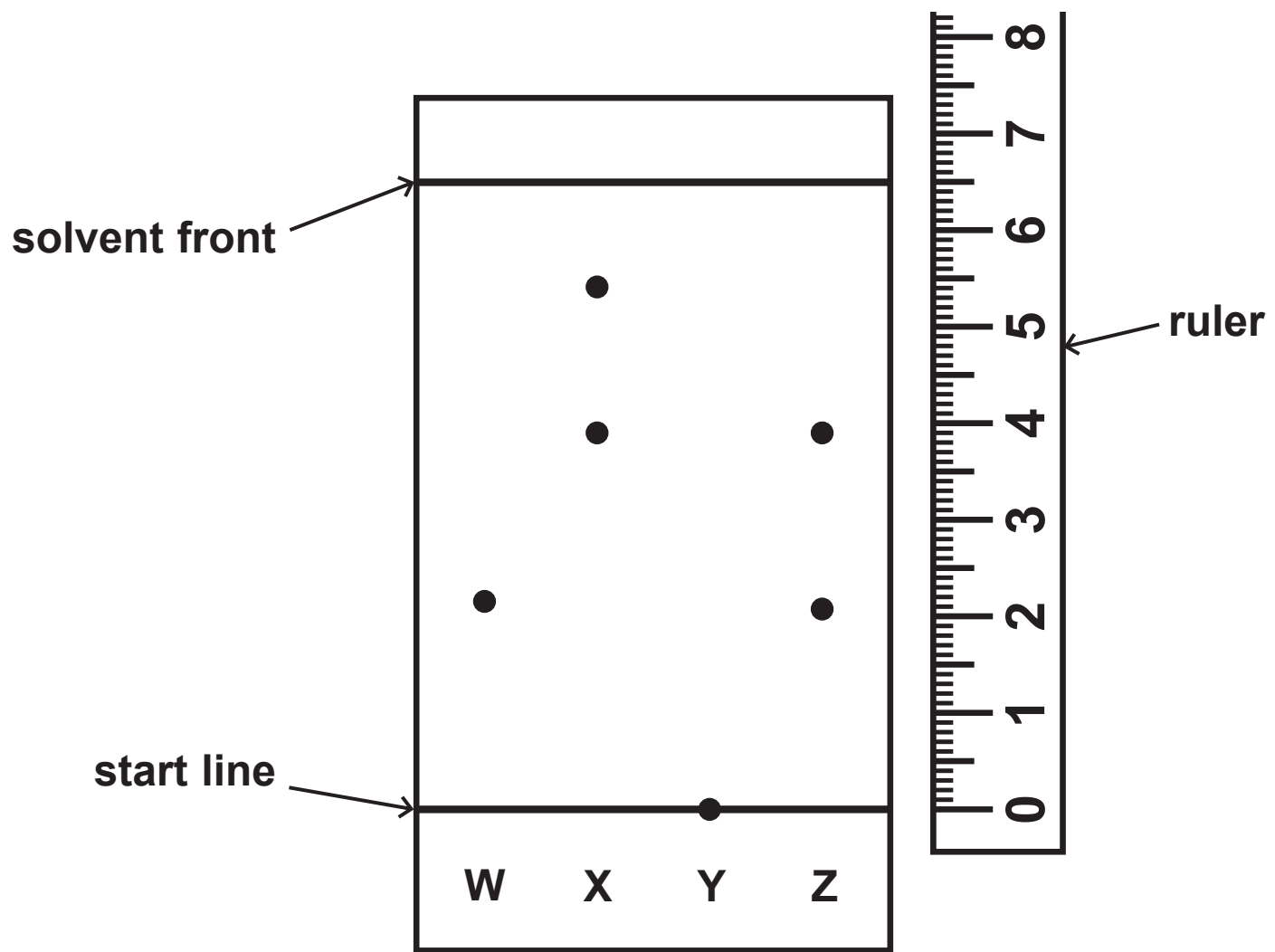


**Question 4**

- STEP J**    pour the potassium hydroxide solution into a conical flask and add a few drops of indicator to this solution
- STEP K**    fill a burette with the dilute hydrochloric acid and record the initial reading from the burette
- STEP L**    use a measuring cylinder to obtain  $25\text{cm}^3$  of potassium hydroxide solution
- STEP M**    take a final reading from the burette and calculate the volume of the dilute hydrochloric acid reacted
- STEP N**    run the dilute hydrochloric acid from the burette into the conical flask until the indicator changes colour

## Question 5(b)

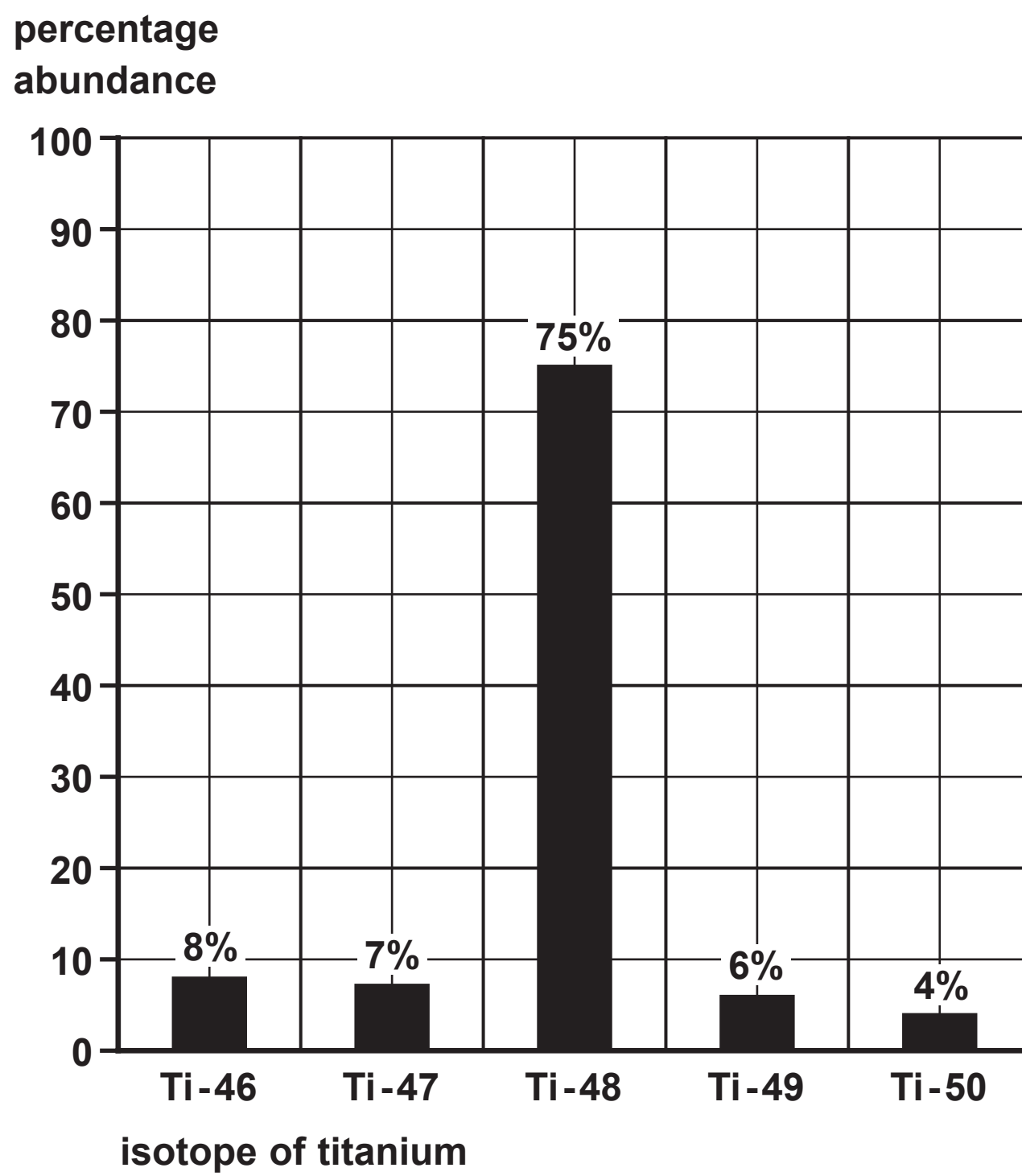
Figure 5





## Question 6(a)

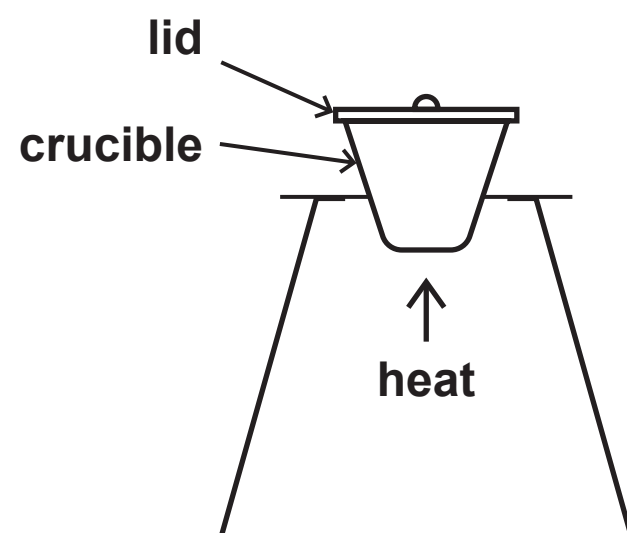
Figure 6





## Question 6(b)(ii)

Figure 7



## Question 8(a)(ii)

Figure 8

