

Combined Science  
Paper 2

Thursday 14 May 2020 – Morning

Time: 1 hour 10 minutes plus your additional time allowance

DIAGRAM BOOKLET

YOU MUST RETURN THE DIAGRAM BOOKLET  
WITH THE QUESTION PAPER

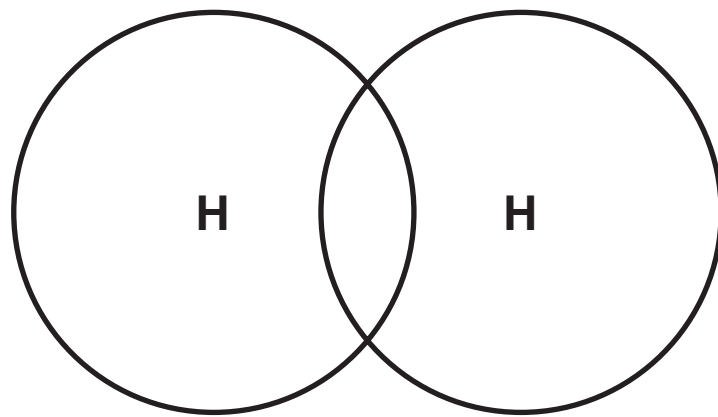
In the boxes below, write your name, centre number and candidate number.

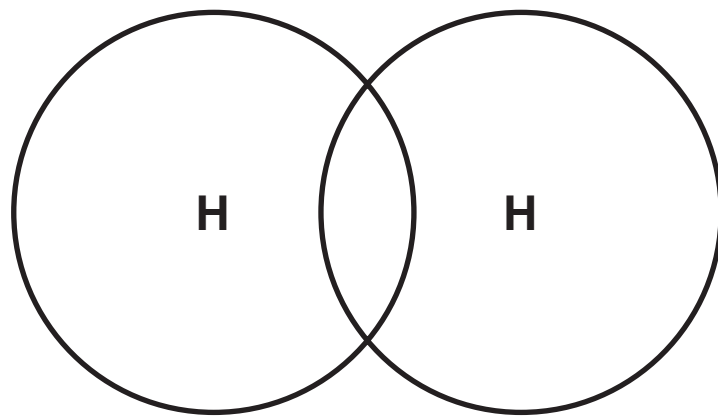
|                  |  |  |  |  |  |
|------------------|--|--|--|--|--|
| Surname          |  |  |  |  |  |
| Other names      |  |  |  |  |  |
| Centre Number    |  |  |  |  |  |
| Candidate Number |  |  |  |  |  |

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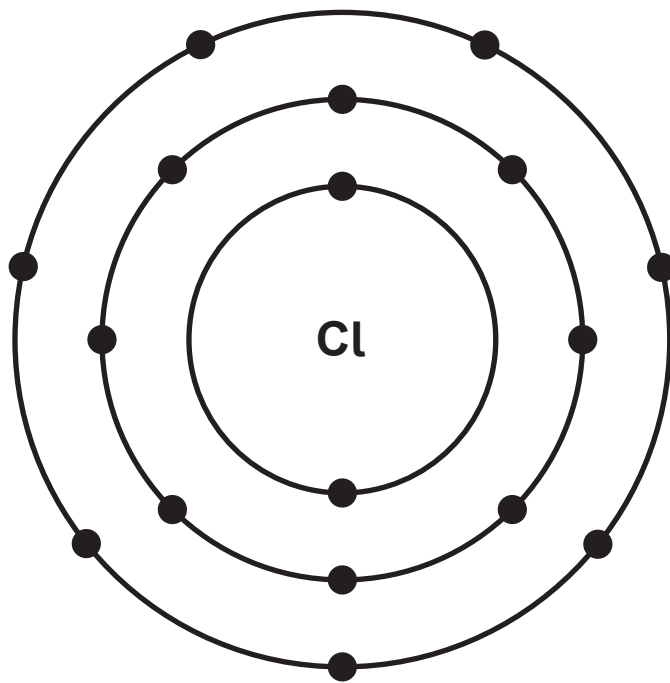
|           |  |
|-----------|--|
| <b>3</b>  | <b>Question 1 (b) (iii)</b>              |
| <b>4</b>  | <b>Question 1 (b) (iii) (Spare copy)</b> |
| <b>5</b>  | <b>Question 2 (a)</b>                    |
| <b>6</b>  | <b>Question 2 (b)</b>                    |
| <b>7</b>  | <b>Question 3 (d)</b>                    |
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| <b>9</b>  | <b>Question 5</b>                        |
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**Question 1 (b) (iii)****FIGURE 2**

**Question 1 (b) (iii) (Spare copy)****FIGURE 2**

## Question 2 (a)

FIGURE 3



Question 2 (b)

FIGURE 4

|          | relative mass | relative charge |
|----------|---------------|-----------------|
| proton   | 1             | +1              |
| neutron  | 1             | 0               |
| electron | very small    | -1              |

FIGURE 5

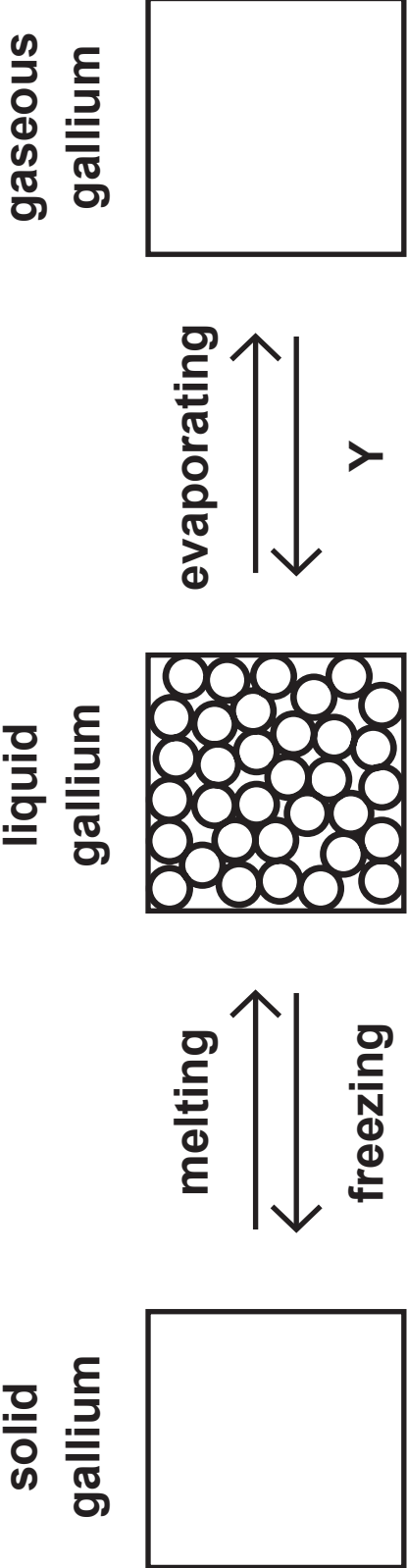
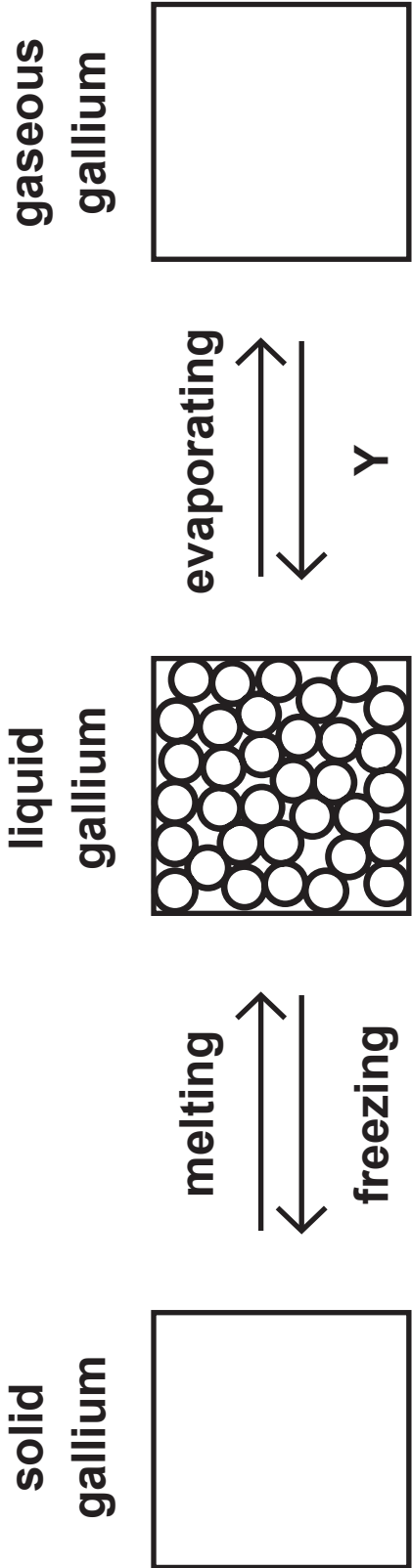


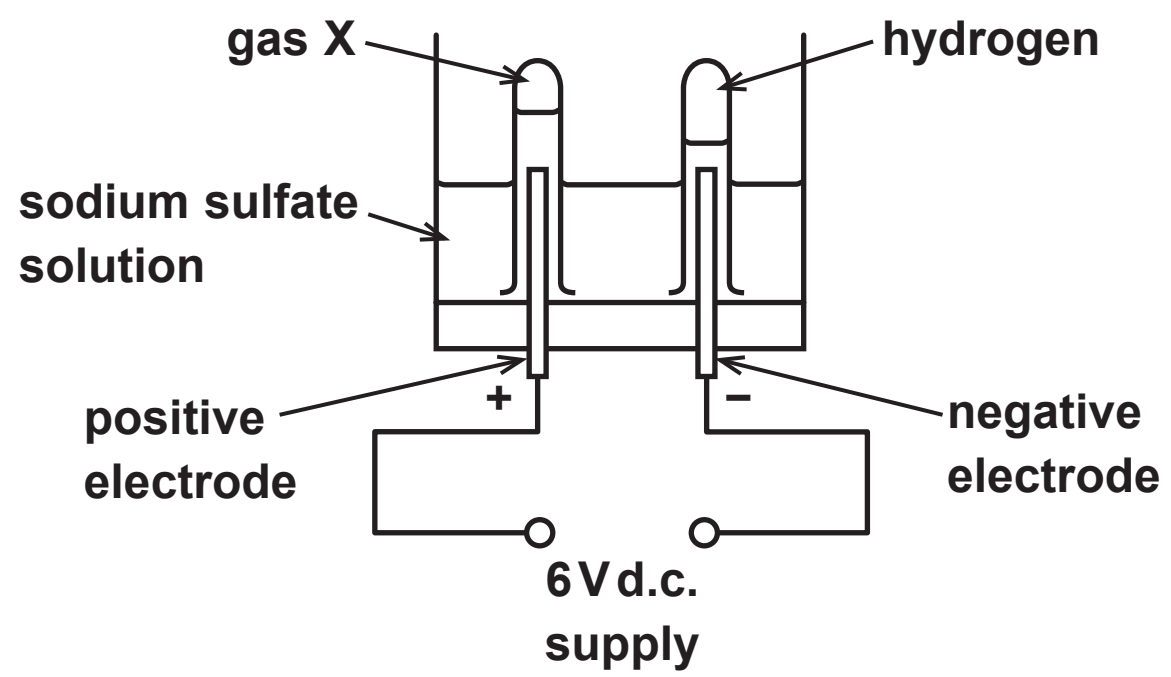
FIGURE 5





## Question 5

FIGURE 6



## Question 6 (b)

FIGURE 7

