

## 2026 ASOC ANSWER BOOKLET

**Name:** \_\_\_\_\_ **School:** \_\_\_\_\_ **Account Number:** \_\_\_\_\_

### **Section A: Multiple choice questions ( 30 marks )**

Please record your answers from **Q1** to **Q15** in the exam system.

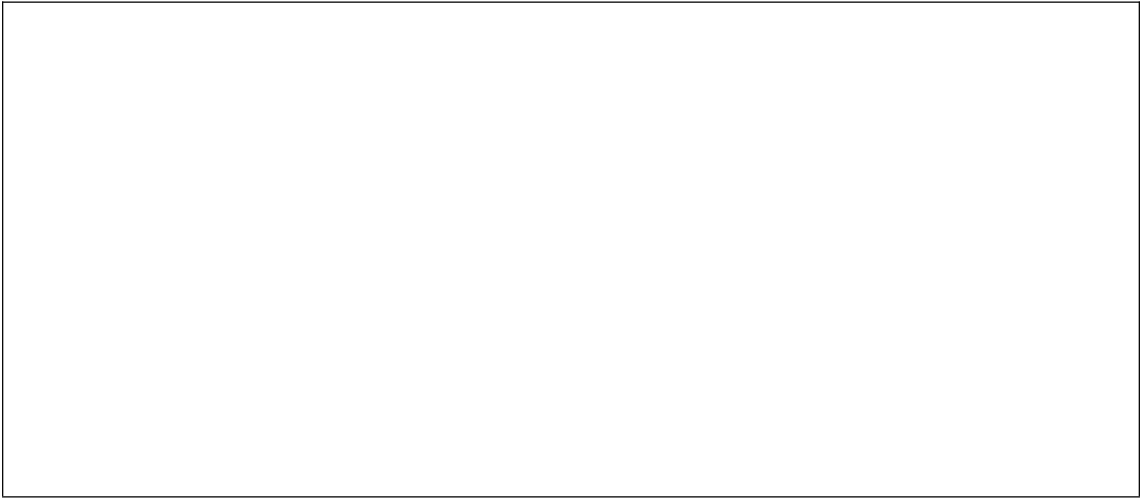
### **Section B: Short answer questions ( 90 marks )**

#### **Question 16**

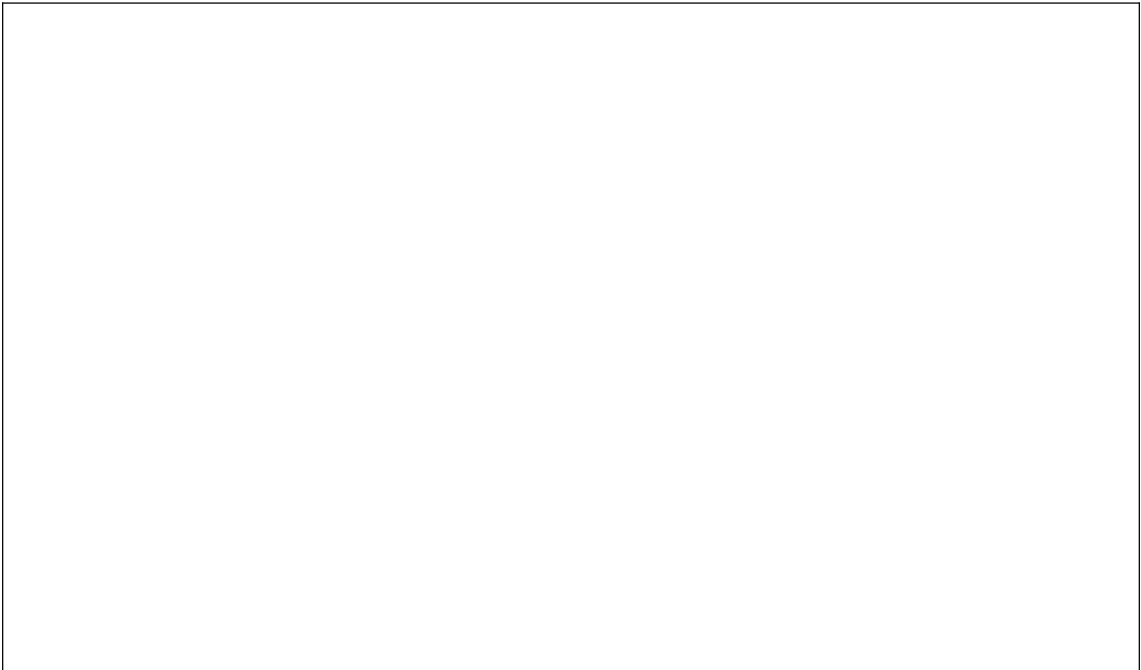
(a)

(b)

(c)



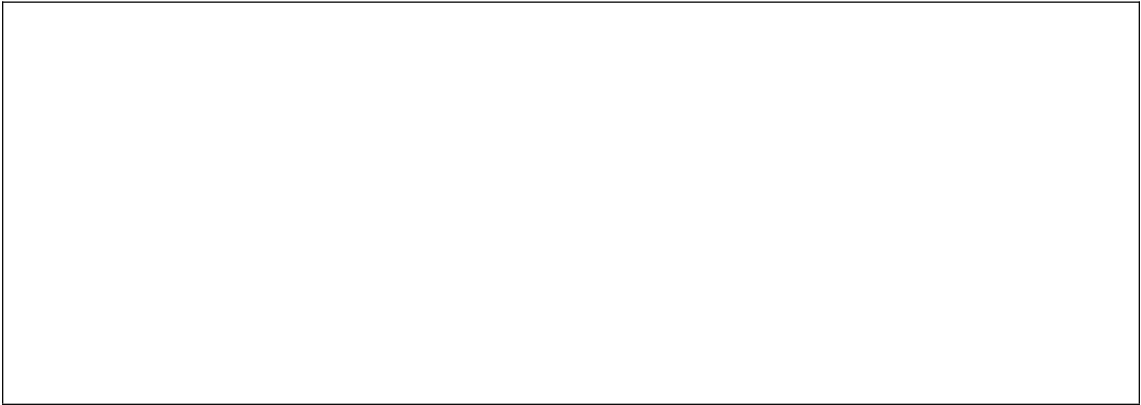
(d)



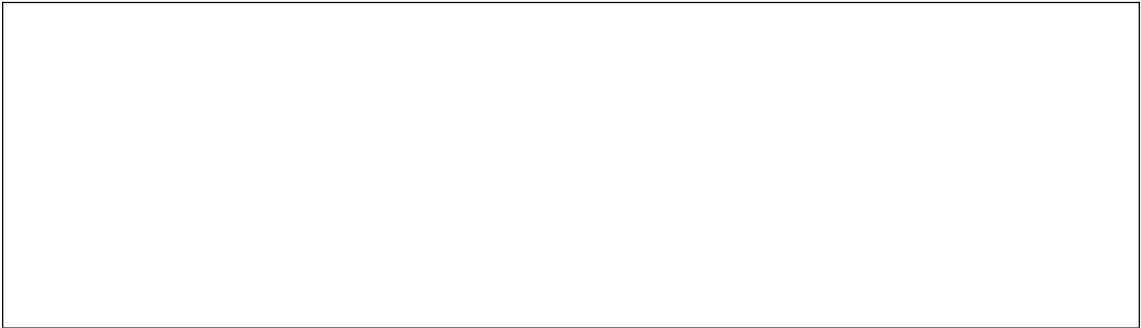
(e)



(f)

A large, empty rectangular box with a thin black border, intended for a response to part (f).

(g)

A large, empty rectangular box with a thin black border, intended for a response to part (g).

(h)

A large, empty rectangular box with a thin black border, intended for a response to part (h).

(i)

(j) ***Check ✓ the right answer***

A. Increase

B. Decrease

C. No Change

(k)

(1)



### Question 17

(a)

|  |
|--|
|  |
|--|

(b)

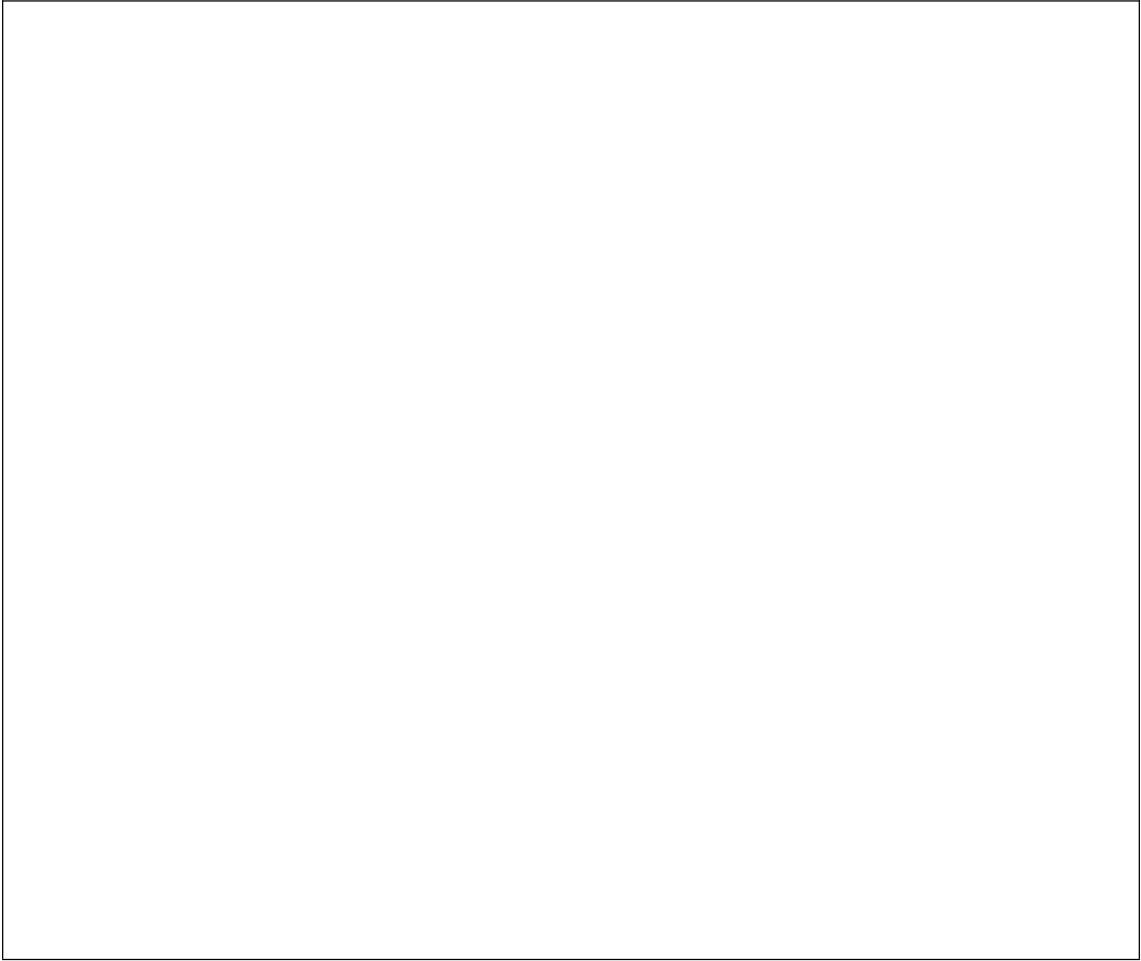


|  |  |  |
|--|--|--|
|  |  |  |
|--|--|--|

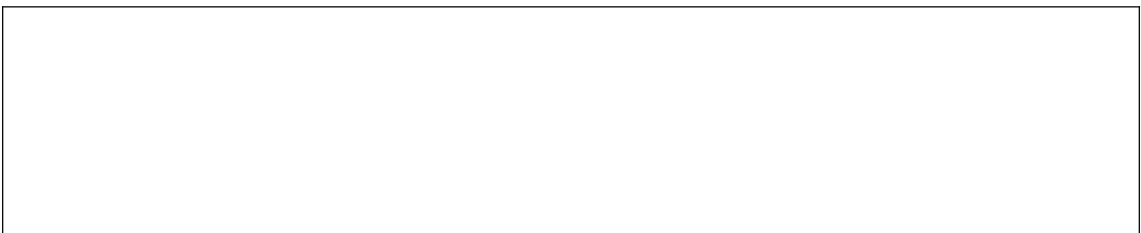
(c)

|  |
|--|
|  |
|--|

(d)



(e)



(f)



| Undergo association | Do <b>not</b> undergo association |
|---------------------|-----------------------------------|
|                     |                                   |

(g)

(h)

1. \_\_\_\_\_  
  
2. \_\_\_\_\_

(i)

|                     |  |                     |
|---------------------|--|---------------------|
| $P_{\text{atm}}$    |  | $P_{\text{vap}, 1}$ |
| $P_{\text{vap}, 1}$ |  | $P_{\text{vap}, 2}$ |
| $P_{\text{vap}, 2}$ |  | $P_{\text{atm}}$    |

(j)

i.

**ii. Check  $\surd$  the right answer**

- A. 50
- B. 100
- C. 200
- D. 300
- E. 500

**iii. Check  $\surd$  the right answer**

- A. 12
- B. 25
- C. 50
- D. 100
- E. 200

(k)

**i. Check  $\surd$  the right answer**

- A. 0.20
- B. 0.40
- C. 0.60
- D. 0.80
- E. 1.00

**ii.**

|  |
|--|
|  |
|--|

iii.

**Question 18**

(a)

(b)

(c)

1. \_\_\_\_\_  
2. \_\_\_\_\_

This is due to the: (*Check  $\surd$  the right answer*)

- A. number of bonds formed
- B. different molar mass
- C. chemical reactivity
- D. molecular geometry
- E. atomic radius

(d)

**C:**

**O:**

(e)

i.

ii.

(f)

(1) =

(2) =

(g)

(h)

**(i) Check ✓ the right answer**

- A. There is only one product.
- B. The percentage yield is 100%.
- C. The reaction proceeds in one step.

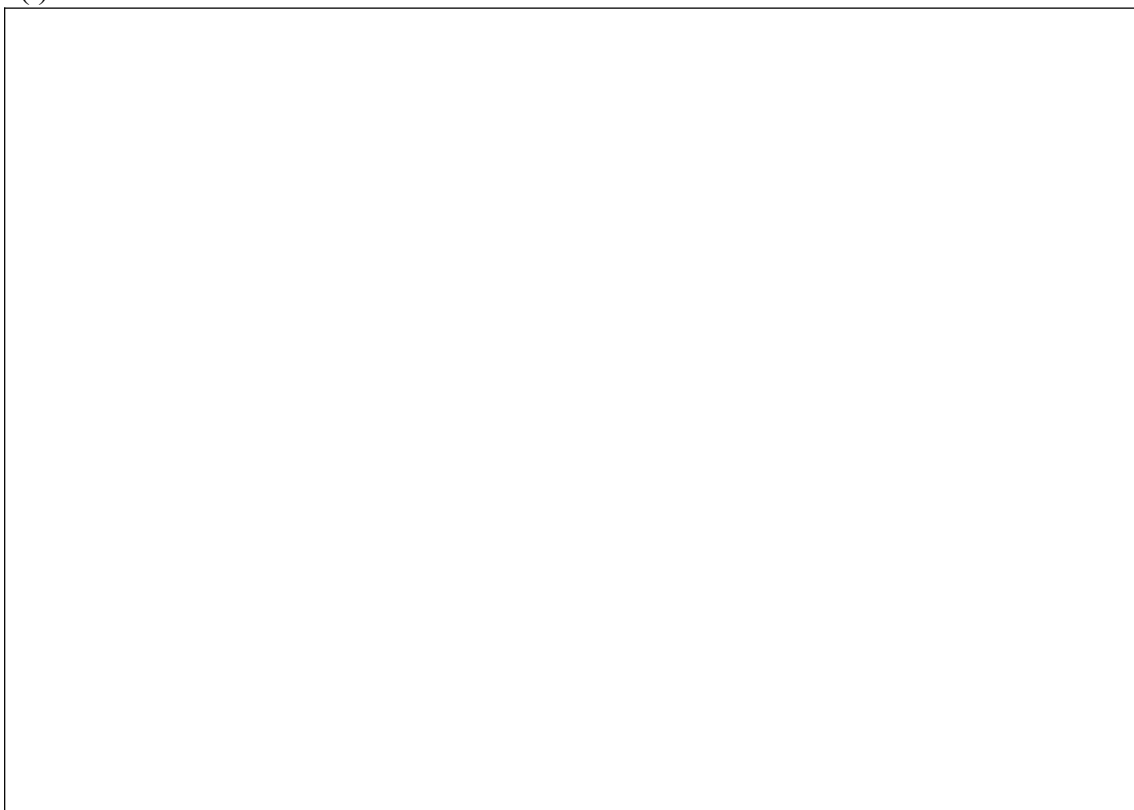
**(ii) Check ✓ the right answer**

- A. must be greater.
- B. must be smaller.
- C. can be greater or smaller.

(iii) **Check ✓ the right answer**

- A. affects both atom economy and effective mass yield
- B. affects only atom economy
- C. affects only effective mass yield

(i)



(j)

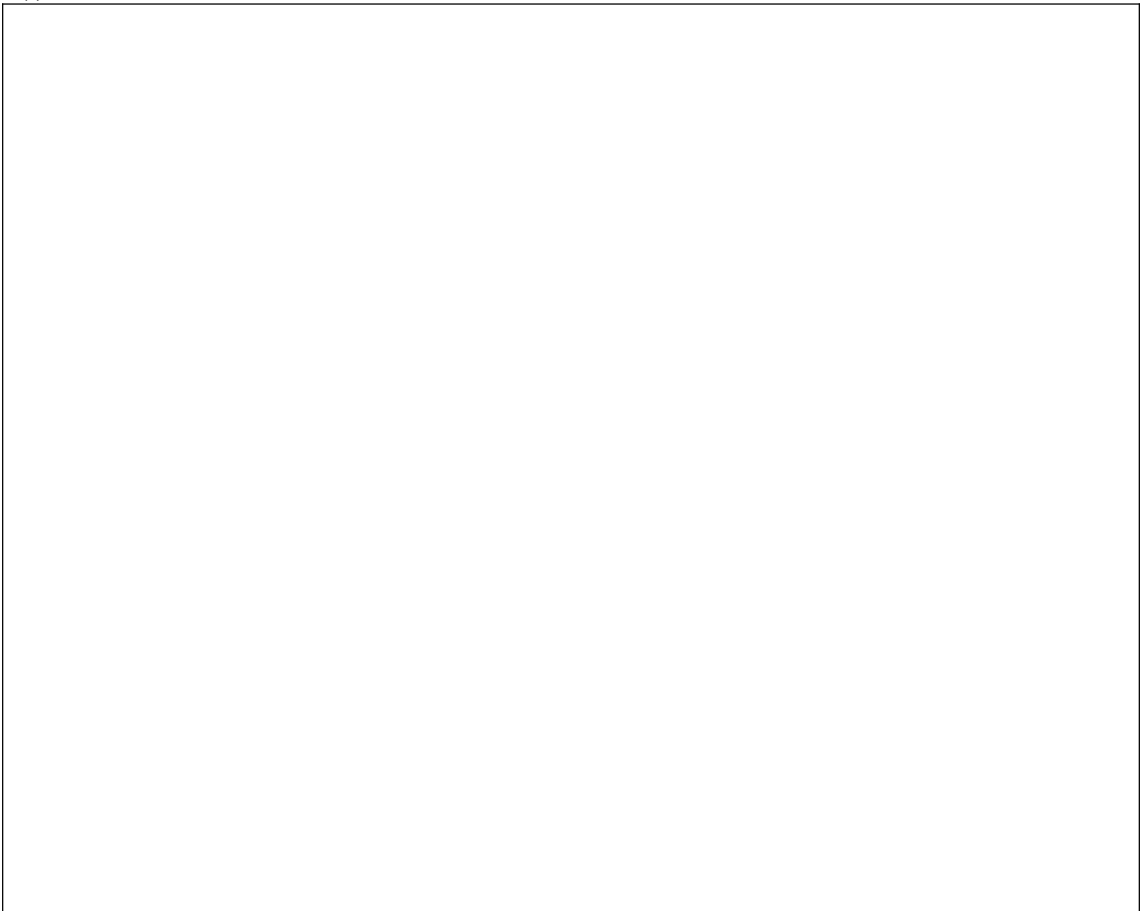
**C:**

**D:**

(k)



(l)



**V:**

**Z:**

**END OF THE ANSWER BOOKLET**