

**PSLE SCIENCE (FOUNDATION)
ANSWER KEY**

BOOKLET A

1. (2)
2. (2)
3. (3)
4. (2)
5. (3)
6. (1)
7. (1)
8. (3)
9. (2)
10. (1)
11. (2)
12. (1)
13. (3)
14. (3)
15. (2)
16. (1)
17. (3)
18. (2)

Booklet B

Part 1

19. Nearer/closer; away/further (2m – 1m each)
20. A : Womb (1m)
B : Ovary (1m)
21. (a) False (1/2m)
(b) True (1/2m)
(c) False (1/2m)
(d) False (1/2m)
22. (a) Gullet / Oesophagus / Food pipe (1/2m)
(b) Stomach (1/2m)
(c) Small intestine (1/2m)
(d) Large intestine (1/2m)
23. (a) Container B
(b) Container C
(c) **Any 2 factors below: (1/2m each)**
- Increase in heat/temperature
- Greater exposed surface area of water
- Increase in strength of wind
- Decrease in humidity

Organism	Box
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24.

A	V
B	Y
C	X

(1m each)

Part 2

25. (a) **Heat is transferred from the rod to the ice cube.** (1m)

OR

The **rod loses heat to the ice cube.** (1m)

(b) The temperature of the iron rod increased because it **gained heat from the surrounding.** (1m)

26. (a) (i) The iron pins **will not be attracted** to the aluminium rod. (1m)
Nothing will happen. (0m)

(ii) Any of the reasons below (1m):

- The Aluminium rod **cannot be magnetized.**
- The Aluminium rod **will not become an electromagnet.**
- The Aluminium rod is **non-magnetic.**

(b) X. (1/2m) It attracted the most needles.(1/2m)

27. (a) lime plant → caterpillar → blackbird → falcon (2m)

(b) blackbird (1m)

28. (a) Water (1m)

(b) Water evaporated from the coffee (1m) and the hot water vapour condensed into X / water droplets (1/2m) when it came into contact with the cooler surface of the aluminium tray (1/2m). It flowed down the tray and was collected in the dish as Liquid L.

(c) X (1m)

29. (a) (i) B (1m)
(ii) A (1m)

(b) As the age of the human being increases/decreases, the average pulse rate decreases/increases (1m); or
The older/younger the human being is, the slower/faster his average pulse rate. (1m)

(c) Accept any number between 65 and 75 beats per minute. (1m)

30. (a) Pond community (1m)

(b) Animals depend on the plant for **food** and the plants provide **shelter** for the animals. (1/2m each); or

The plants provide the animals with **oxygen** while the animals provide **carbon dioxide for the plant to photosynthesize**. (1/2m each); or
The plants provide **food and shelter** for the animals. (1/2 m each)

(c) Plant Y will not be able to grow well as Plant X will block the sunlight and Plant Y would not receive enough sunlight to photosynthesize. (2m)