

G9 Coordinated Science Semester 1 Examination Revision Questions Set #1

0654_s18_qp11

1 Which rows correctly match characteristics of living things with their descriptions?

	characteristic	description
1	excretion	removing the waste products of metabolism
2	growth	making more living things of the same type
3	nutrition	taking in or producing food
4	respiration	releasing energy from food

A 1, 2 and 4 **B** 1, 3 and 4 **C** 1 and 3 only **D** 2 and 4 only

2 Which statement about cells is correct?

- A** Cell membranes are found only in animal cells.
- B** Cell membranes are found only in plant cells.
- C** Cell walls are found only in animal cells.
- D** Cell walls are found only in plant cells.

3 Tests were carried out on a colourless liquid, with the following results.

test	colour obtained
Benedict's	blue
biuret	purple
iodine	blue/black

What did the colourless liquid contain?

- A** protein only
- B** protein and reducing sugar only
- C** protein and starch only
- D** protein, reducing sugar and starch

14 Which statement about liquids is correct?

- A** They have a fixed shape and a fixed volume.
- B** They have a fixed shape but not a fixed volume.
- C** They have no fixed shape but they do have a fixed volume.
- D** They have no fixed shape and no fixed volume.

16 An ion of sodium has the symbol ${}^{23}_{11}\text{Na}^+$.

Which row shows the number of protons and the number of electrons in this ion?

	number of protons	number of electrons
A	11	10
B	11	12
C	12	11
D	12	13

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23 Which statement about the elements in the Periodic Table is correct?

- A** Group I elements become less reactive down the group.
- B** Group VII elements become less reactive down the group.
- C** The elements are arranged in mass number order.
- D** The elements become more metallic from left to right.

34 Which change of state is condensation?

- A** gas to liquid
- B** liquid to gas
- C** liquid to solid
- D** solid to liquid