Cambridge IGCSE
Topical Past Papers

CHEMISTRY

0620 P2

2020 — 2025

1 - (0620/21_Summer_2020_Q1)

A mixture of ice and water is left to stand and the ice melts.

Which row describes what happens as the ice is melting?

	temperature of mixture	energy changes
A	increases	average kinetic energy of particles increases
B	increases	energy is used to overcome attractive forces
C	stays the same	average kinetic energy of particles increases
D	stays the same	energy is used to overcome attractive forces

2 - (0620/21_Summer_2020_Q2)

Which piece of apparatus should be used to measure exactly 21.4 cm^3 of water?

A 25 cm^3 beaker

B 25 cm^3 pipette

C 50 cm^3 burette

D 50 cm^3 measuring cylinder

3 - (0620/22_Summer_2020_Q1)

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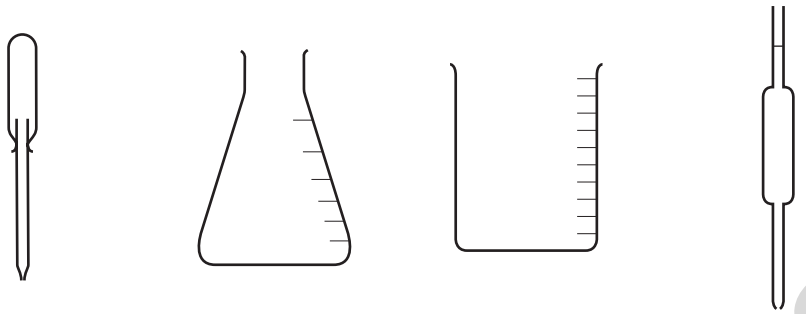
C	stays the same	average kinetic energy of particles increases
D	stays the same	energy is used to overcome attractive forces

4 - (0620/22_Summer_2020_Q2)

Which piece of apparatus is used to measure 25.0 cm^3 of aqueous sodium hydroxide?

A **B** **C** **D**



5 - (0620/23_Summer_2020_Q1)

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D	stays the same	energy is used to overcome attractive forces

6 - (0620/23_Summer_2020_Q2)

Which piece of apparatus is used to measure 13.7 cm^3 of dilute hydrochloric acid?

A balance

B burette

C conical flask

D pipette

7 - (0620/21_Winter_2020_Q1)

Which gas has the slowest rate of diffusion?

A H_2 **B** NH_3 **C** CH_4 **D** CO_2

8 - (0620/22_Winter_2020_Q1)

Which gas has the slowest rate of diffusion?

A H_2 **B** NH_3 **C** CH_4 **D** CO_2

9 - (0620/23_Winter_2020_Q1)

Which gas has the slowest rate of diffusion?

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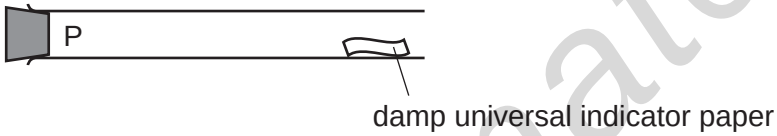
10 - (0620/21_Summer_2021_Q1)

A gas is released at point P in the apparatus shown.



Which gas turns the damp universal indicator paper red most quickly?

A ammonia, NH_3

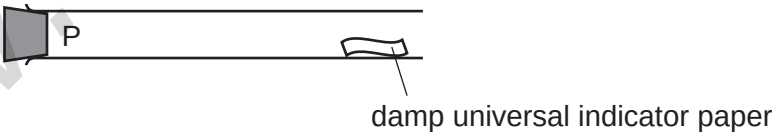
B chlorine, Cl_2

C hydrogen chloride, HCl

D sulfur dioxide, SO_2

11 - (0620/22_Summer_2021_Q1)

A gas is released at point P in the apparatus shown.



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B chlorine, Cl_2

C hydrogen chloride, HCl

D sulfur dioxide, SO_2

1 – D
2 – C
3 – D
4 – D
5 – D
6 – B
7 – D
8 – D
9 – D
10 – C
11 – C
12 – C
13 – B
14 – B
15 – C
16 – A
17 – C
18 – B
19 – C
20 – B
21 – A
22 – B
23 – A
24 – B
25 – A
26 – D
27 – A
28 – B
29 – B
30 – D
31 – C
32 – A
33 – D
34 – D
35 – C
36 – C
37 – B
38 – B
39 – D
40 – D
41 – D
42 – A
43 – A
44 – C
45 – B
46 – C
47 – C
48 – D
49 – C
50 – A
51 – D
52 – C
53 – D
54 – C
55 – B
56 – D
57 – C
58 – D
59 – B
60 – C
61 – C
62 – A