

1. Clean water is essential for life.

- i. State the name used for water that is safe to drink.

[1]

- ii. Explain why chlorine is added to water to make it safe to drink.

[1]

- iii. Describe the test for chlorine gas.

[2]

2. A student adds sodium hydroxide solution to copper sulfate solution.

What is the colour of the precipitate made?

- A** Blue
B Green
C Green
D White

Your answer

☐

[1]

3. What is the test for oxygen gas?

- A** Burns with a lilac flame
B Burns with a squeaky pop
C Relights a glowing splint
D Turns limewater milky

Your answer

☐

[1]

4. Describe the test for hydrogen gas.

[2]

5. A student does a flame test with a sample of potassium chloride.

Which colour is the flame?

- A Lilac
- B Green-blue
- C Red
- D Yellow

Your answer

☐

[1]

6. What is the test for chlorine gas?

- A Damp universal indicator paper turns red then white
- B Decolourises bromine water
- C Limewater turns milky
- D Relights a glowing splint

Your answer

☐

[1]

7. What is the test for halide ions?

- A Add a few drops of dilute nitric acid then a few drops of silver nitrate solution.
- B Add a few drops of hydrochloric acid then a few drops of barium chloride solution.
- C Add a few drops of hydrochloric acid then a few drops of silver nitrate solution.
- D Add a few drops of sodium hydroxide solution.

Your answer

☐

[1]

8. What is the test for oxygen gas?

- A Ignites with a squeaky pop.
- B Limewater turns milky.
- C Relights a glowing splint.
- D Turns damp blue litmus paper white.

Your answer

☐

[1]

END OF QUESTION PAPER