



Subject: Grade 6 Natural Sciences
Topic: Natural Sciences: Term 2 - Exam 1
Total: 99 Marks

Name: _____
Date: _____

Question 1: Please Fill In The Blanks

4 marks

Wetlands are areas where terrestrial and aquatic ecosystems come together. Terrestrial refers to (1) , while aquatic refers to (2) .

Possible Answers: mountain | water | fire | land

1	
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2	
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Question 2: True/False

2 marks

Wetlands act as filters, cleaning the water that passes through them.

TRUE

FALSE

Question 3: Text Input

3 marks

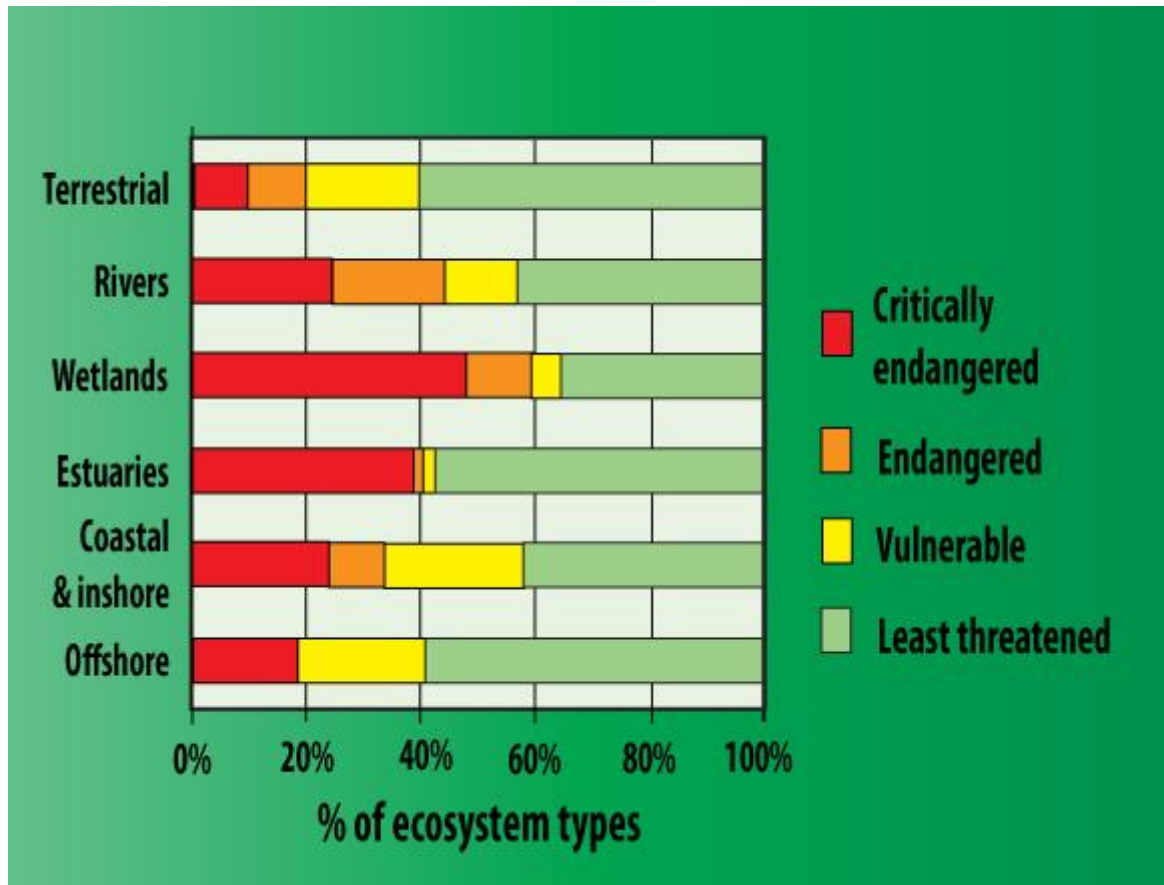
When no more salt can dissolve in water, we say that the water is

Give your answer as **one word** only.

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This image refers to question: 4





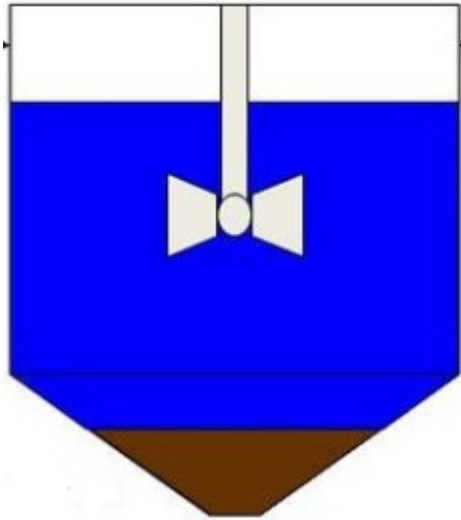
Question 4: Multiple Choice

4 marks

Based on this graph, about ... percent of wetlands are considered critically endangered.

- | | |
|----------|----|
| A | 40 |
| B | 50 |
| C | 60 |
| D | 70 |

This image refers to question: 5



Question 5: Text Input

3 marks

At the water treatment plant, the muddy substance that slowly settles at the bottom of a tank is called

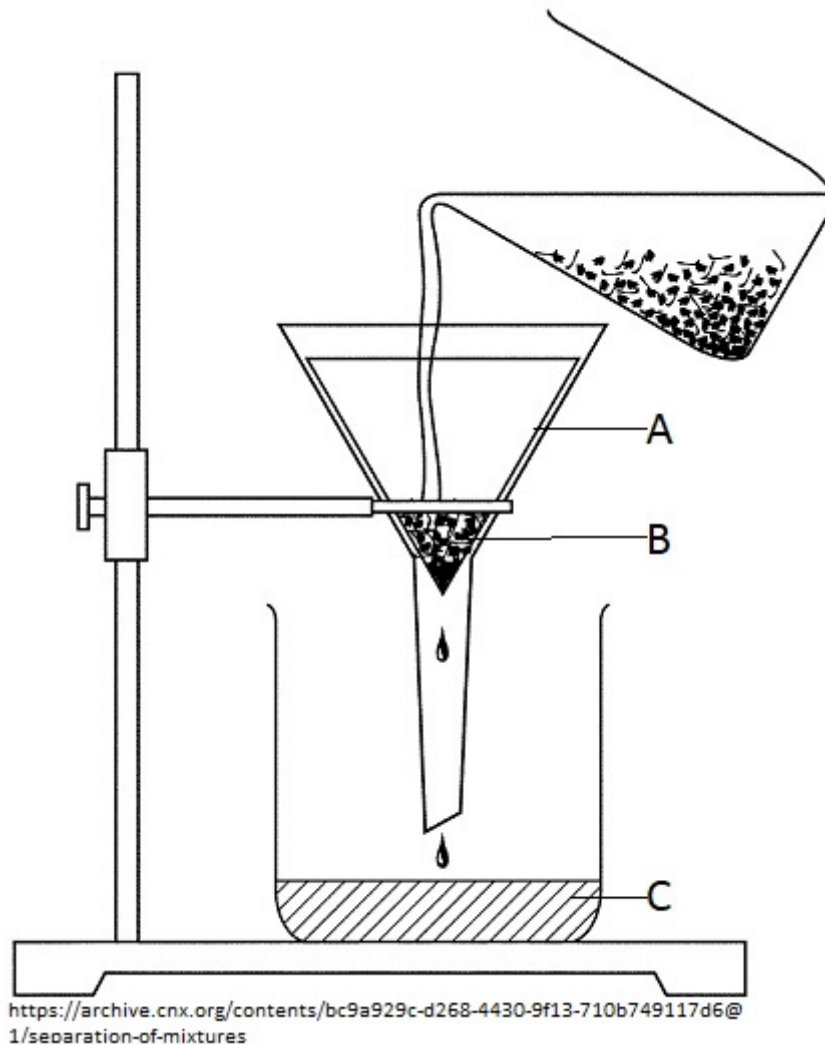
Question 6: Text Input

3 marks

... refers to how safe our water is to use.

Give your answer as two words.

This image refers to question: 7



Question 7: Please Fill In The Blanks

4 marks

Refer to the picture and answer the following question:

By **filtering** dirty water through a (1), the solid particles remain behind, and the water which passes through is (2) to drink.

Possible Answers: funnel with filter paper | funnel without filter paper | safe | not safe

1	
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2	
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Question 8: Text Input

3 marks

When we increase the temperature of a substance, the heat adds ... to the particles of the substance, causing them to move faster.

Give your answer as **one word** only.

Question 9: True/False

2 marks

Oxygen turns clear lime water milky.

Question 10: Text Input

3 marks

... is the gas in the air which supports combustion.

Question 11: Multiple Choice

4 marks

When a substance cannot dissolve in water, we say that it is ...

- | | |
|----------|-------------|
| A | soluble |
| B | insoluble |
| C | saturated |
| D | unsaturated |

Question 12: True/False

2 marks

When a solid is heated the particles move faster.

Question 13: Multiple Choice

4 marks

The solvent for nail polish is

- A. acetone
- B. ethyl acetate
- C. water

A	A only
B	C only
C	A and B
D	B and C

Question 14: True/False

2 marks

Everyone in South Africa has access to clean drinking water.

TRUE	FALSE
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This image refers to question: 15

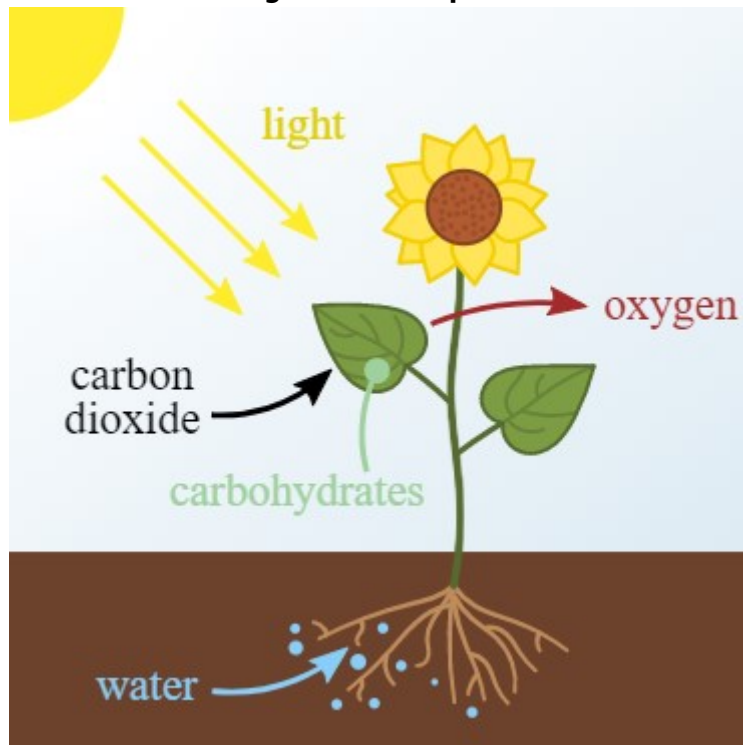


Question 15: Text Input

3 marks

Nature has special methods of cleaning polluted water. In nature, water is purified in natural environments called

This image refers to question: 16



Question 16: True/False

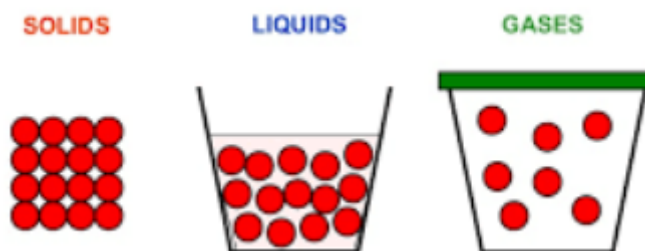
2 marks

Photosynthesis takes place in the leaves of green plants.

TRUE

FALSE

This image refers to question: 17



Question 17: Text Input

3 marks

A substance can be poured, and it has very large spaces between its particles. This substance is in the ... state.

Question 18: Text Input

3 marks

We use the chemical ... to test for starch.

Type **one word only**.

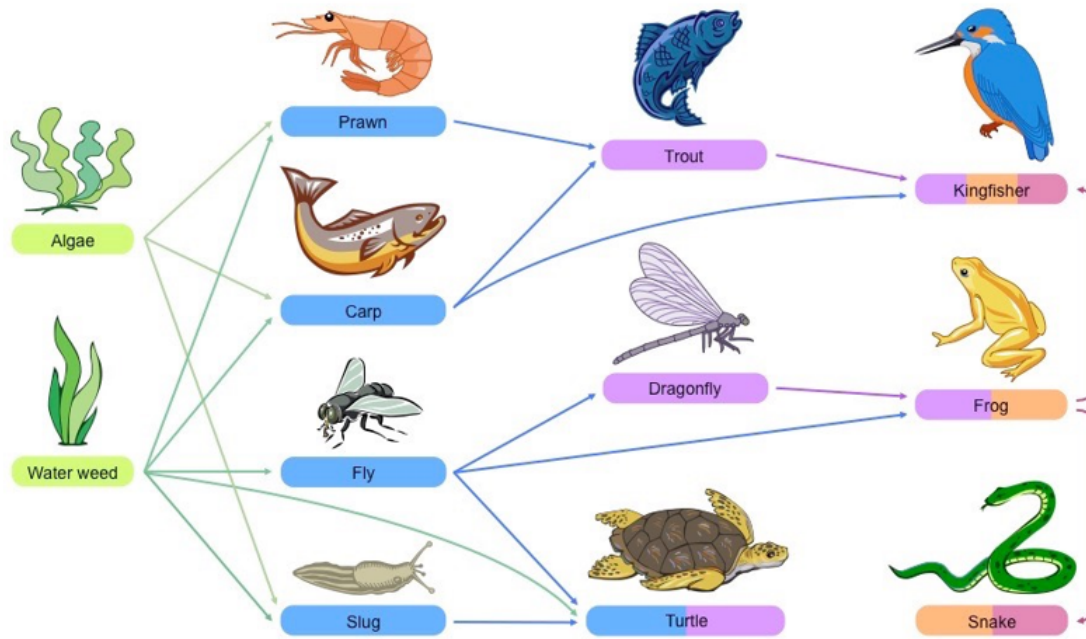
Question 19: Multiple Choice

4 marks

At a water treatment plant, clean water which is ready to be used, is pumped into holding tanks. A substance called ... is added to the water.

- | | |
|----------|------------|
| A | ammonia |
| B | chloramine |
| C | sulphur |
| D | chlorine |

This image refers to question: 20, 21



Question 20: Please Fill In The Blanks

4 marks

Study the diagram and the interlinked food chains carefully.

The prawn, fly and slug are classified as (1) and the only fish considered a carnivore is the (2) .

Possible Answers: omnivores | herbivores | carp | trout

1	
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2	
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Question 21: True/False

2 marks

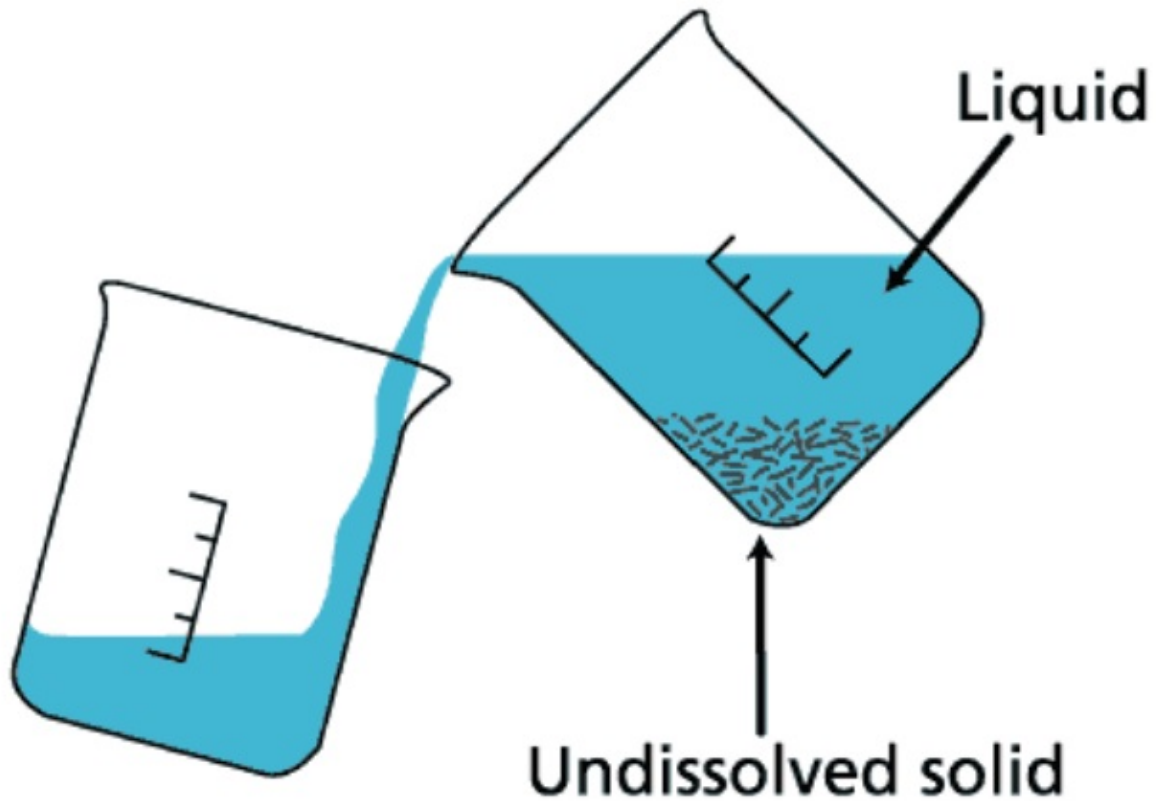
Study the food web carefully.

The fly is eaten by the water weed.

TRUE

FALSE

This image refers to question: 22



source: <https://www.loopyscience.com/separation-techniques>

Question 22: Multiple Choice

4 marks

Refer to the picture and then answer this question.

To remove water from dirt that has settled at the bottom of a container, one must ... the liquid.

- | | |
|----------|--------|
| A | boil |
| B | decant |
| C | filter |
| D | sieve |

Question 23: Text Input

3 marks

The process of cleaning the water before it reaches our home takes place at a water ... plant.

Question 24: Text Input

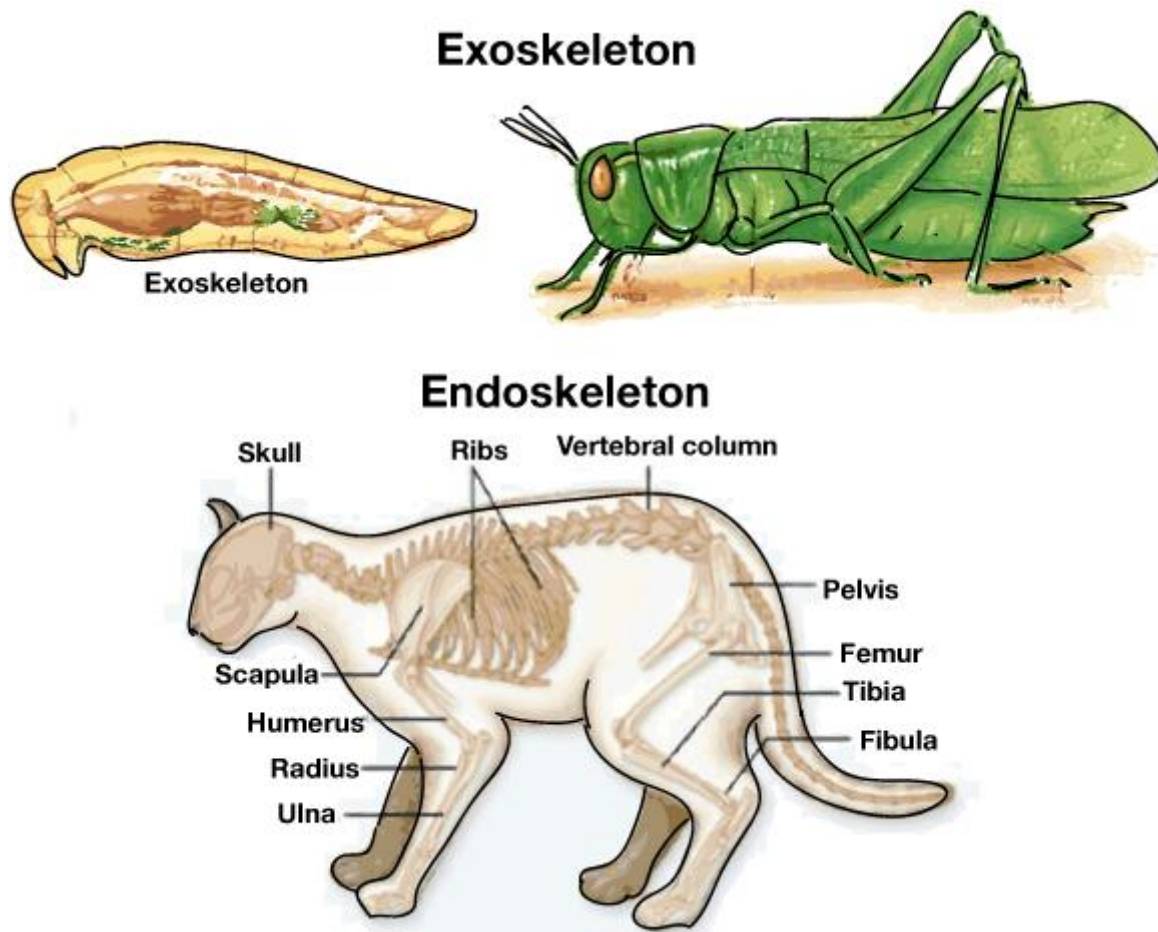
3 marks

The products of photosynthesis are glucose sugar and

Type one word only.

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This image refers to question: 25

**Question 25: Please Fill In The Blanks**

4 marks

An endoskeleton is found (1) a human or animal, while an exoskeleton is found on the (2) .

Possible Answers: outside | inside | around

1	
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2	
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Question 26: Please Fill In The Blanks

4 marks

We can speed up the process of dissolving copper sulphate in water by (1) the solution or finely (2) the copper sulphate.

Possible Answers: heating | crushing | cooling | distilling | condensing

1	
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2	
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Question 27: Multiple Choice

4 marks

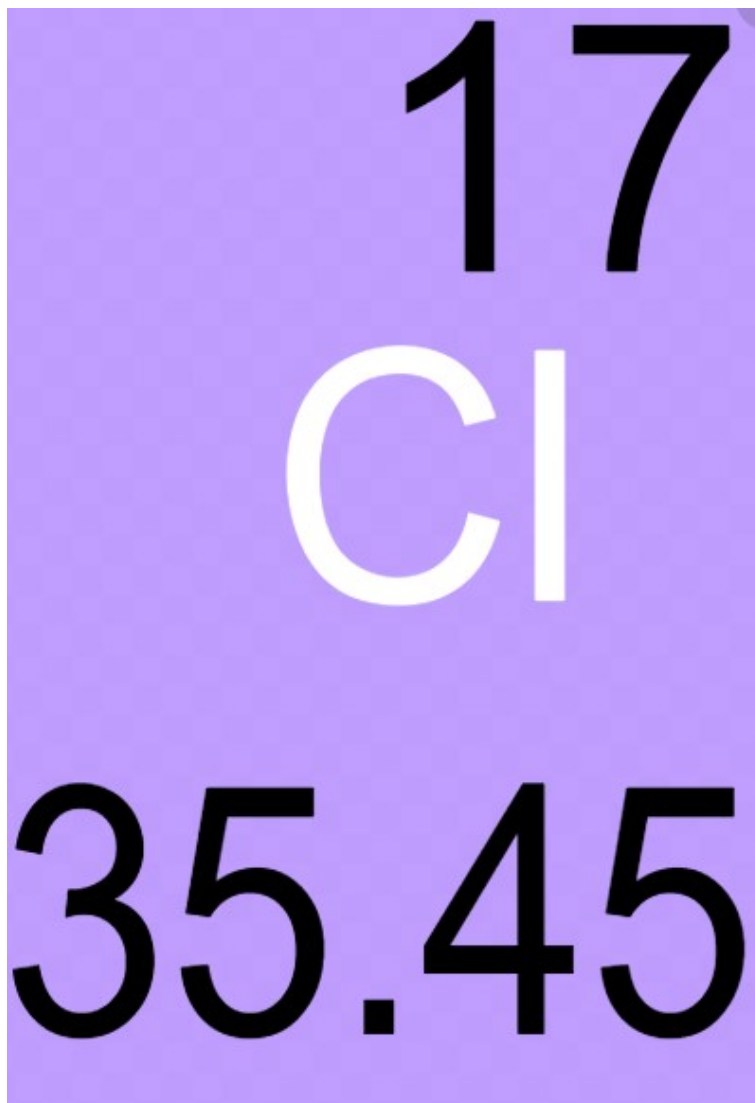
Jason has two closed containers, container A and container B. Each container is filled with a certain substance. The containers are at room temperature.

The particles of the substance in container A move around more than those in container B.

The substance in container B is paraffin. It is most likely that container A contains

- | | |
|----------|-------------------------|
| A | water |
| B | carbon dioxide |
| C | water or carbon dioxide |
| D | plastic or water |

This image refers to question: 28



Question 28: Text Input

3 marks

The most common chemical added to water to kill the germs, is

Question 29: Multiple Choice

4 marks

An inland wetland would contain

- | | |
|----------|----------------|
| A | freshwater |
| B | saltwater |
| C | brackish water |
| D | no water |

Question 30: Please Fill In The Blanks

6 marks

(1) takes place when heavier substances (2) of the container and the liquid parts (3) of it.

Possible Answers: Decanting | Settling | drop to the bottom | float to the top

1	
3	

2	
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Total: 99 Marks