

ACKNOWLEDGMENT

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THE FOLLOWING YEAR LEVELS SHOULD SIT THIS PAPER:

| | |
|--|------------|
| Australia | Year 3 |
| Brunei | Primary 3 |
| Hong Kong | Primary 3 |
| Indian Subcontinent¹ | Class 3 |
| Indonesia | Year 4 |
| Malaysia | Standard 3 |
| Middle East² | Class 3 |
| New Zealand/Pacific³ | Year 4 |
| Singapore | Primary 2 |
| Southern Africa⁴ | Grade 3 |

1 Indian Subcontinent Region: India, Sri Lanka, Nepal, Bhutan and Bangladesh.

2 Middle East Region: United Arab Emirates, Qatar, Kuwait, Saudi Arabia, Egypt, Bahrain, Oman, Turkey, Lebanon, Tunisia, Morocco, Libya, Algeria and Jordan.

3 Pacific Region: Vanuatu, Papua New Guinea and Fiji.

4 Southern Africa Region: South Africa, Botswana, Lesotho, Swaziland, Zimbabwe and Namibia.



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UNSW Global
AUSTRALIA

PAPER

A

SAMPLE



SCIENCE

**DO NOT OPEN THIS BOOKLET
UNTIL INSTRUCTED.**

STUDENT'S NAME:

Read the instructions on the **ANSWER SHEET** and fill in your **NAME, SCHOOL** and **OTHER INFORMATION**.

Use a pencil. Do **NOT** use a coloured pencil or a pen.

Rub out any mistakes completely.

You **MUST** record your answers on the **ANSWER SHEET**.

Mark only **ONE** answer for each question.

Your score will be the number of correct answers.

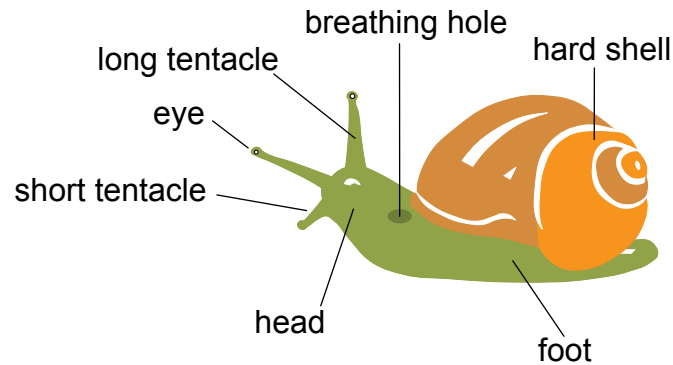
Marks are **NOT** deducted for incorrect answers.

Use the information provided to choose the **BEST** answer from the four possible options.

On your **ANSWER SHEET** fill in the oval that matches your answer.

You may use a calculator and a ruler.

1. The drawing shows the body parts of a snail.



To which part of the snail's body is an eye attached?

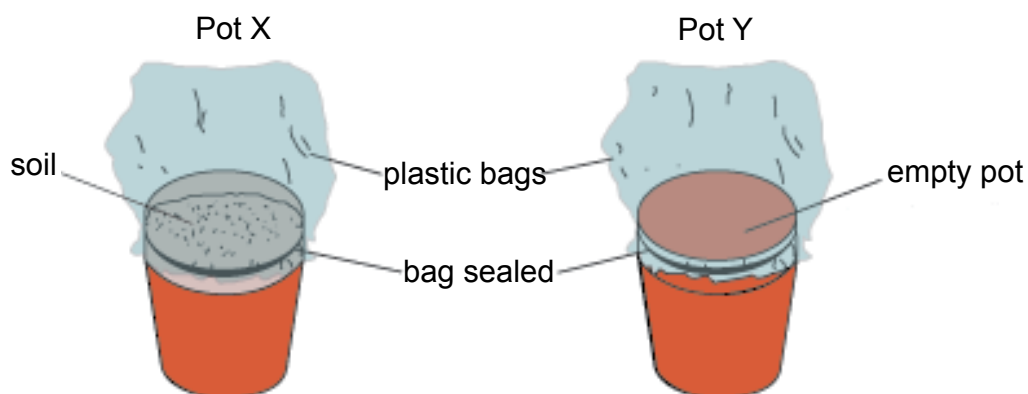
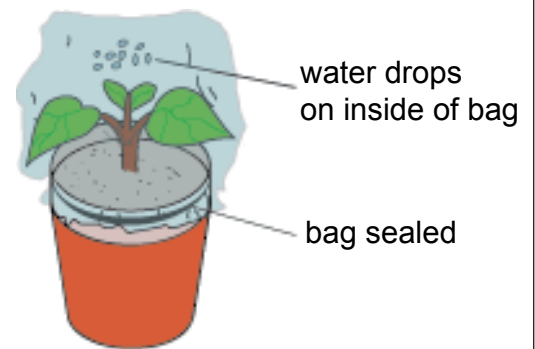
- (A) breathing hole
- (B) hard shell
- (C) long tentacle
- (D) short tentacle

2. Some Year 3 students saw their teacher put a plastic bag over some leaves of a plant on a sunny day. One day later, they saw drops of water on the inside of the plastic bag.

The teacher explained that the water had come from the leaves of the plant.

The students thought this method might also work to find out if soil has water in it.

They set up the pots below and put them in a sunny place.



Their method of testing showed they were correct.

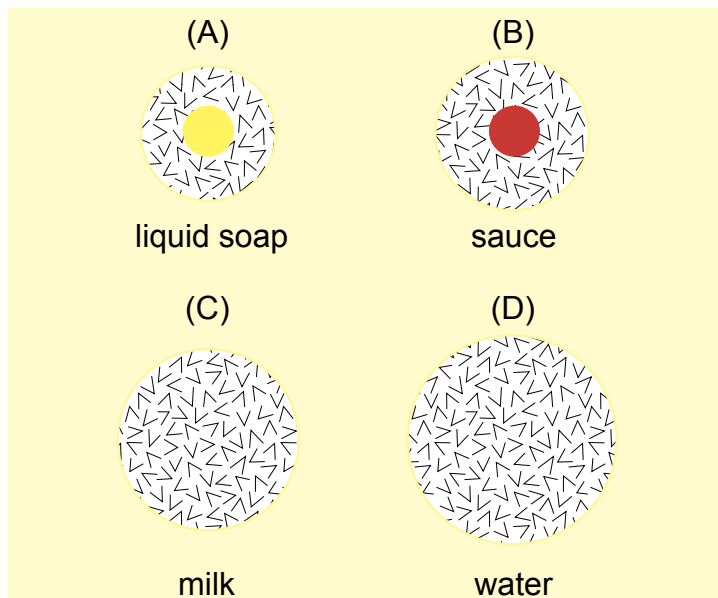
What must the students have observed in the experiment?

- (A) Water formed on the inside of the plastic bag over pot X only.
- (B) Water formed on the inside of the plastic bag over pot Y only.
- (C) Water formed on the inside of neither plastic bag.
- (D) Water formed on the inside of both plastic bags.

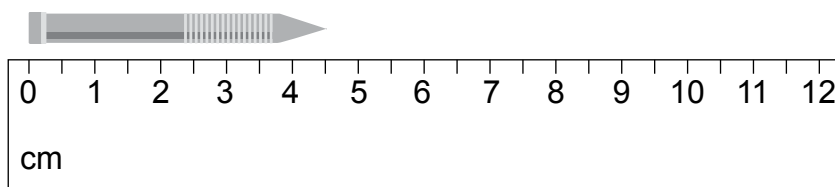
3. Liquids that spread quickly through a paper towel are absorbed better than those that spread more slowly.

Some children put one measured drop of four different liquids – liquid soap, sauce, milk and water – on a piece of paper towel. The drawing shows their results after one minute.

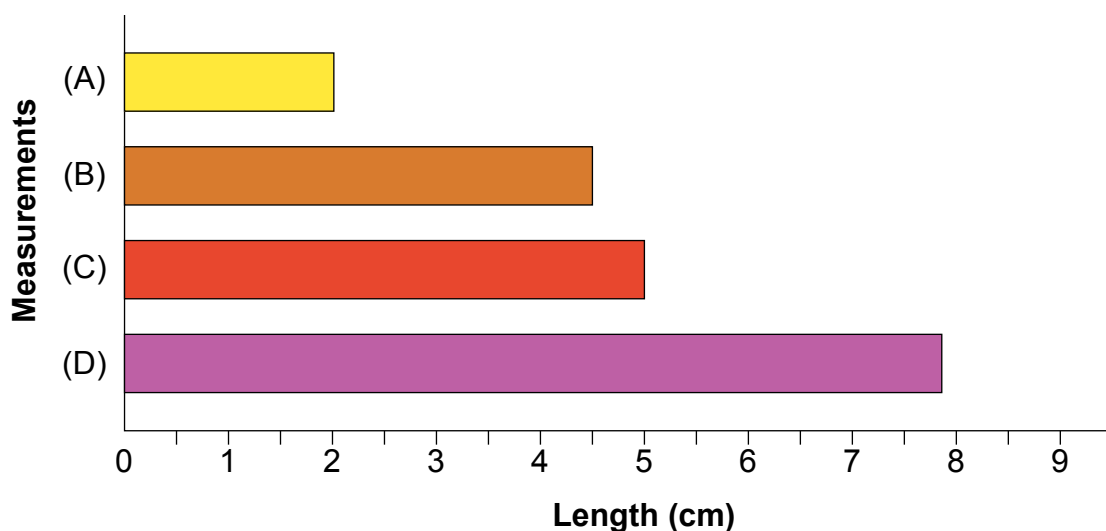
Which liquid was best absorbed by the paper towel?



4. Rick measured a nail as shown in the diagram.

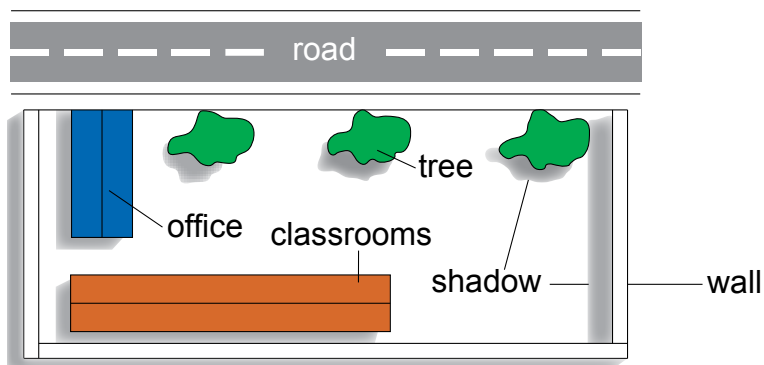


Which bar on the graph represents Rick's measurement?

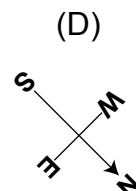
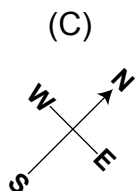
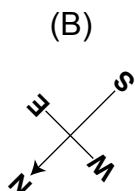
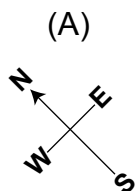


5. The Sun rises in the east and sets in the west.

The drawing shows a view from above of a schoolyard early in the morning.



Which pointer is correctly showing north for this view of the schoolyard?



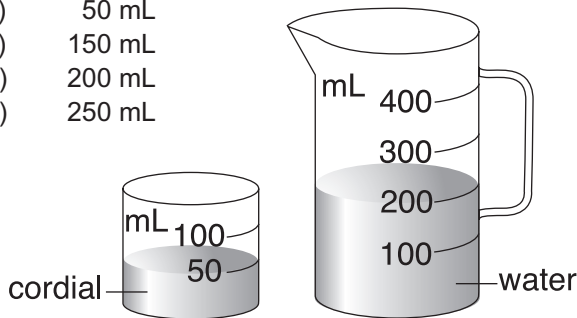
END OF PAPER

TO ANSWER THE QUESTIONS

Example:

Ari added cordial to water to make a jug of drink. What will be the volume of the drink in the jug?

- (A) 50 mL
- (B) 150 mL
- (C) 200 mL
- (D) 250 mL



The answer is 250 mL, so you would fill in the oval **D**, as shown.

A B C D



**USE A PENCIL
DO NOT USE A COLOURED PENCIL OR PEN**

START

- | | | | | |
|---|-------------------------|-------------------------|-------------------------|-------------------------|
| 1 | <input type="radio"/> A | <input type="radio"/> B | <input type="radio"/> C | <input type="radio"/> D |
| 2 | <input type="radio"/> A | <input type="radio"/> B | <input type="radio"/> C | <input type="radio"/> D |
| 3 | <input type="radio"/> A | <input type="radio"/> B | <input type="radio"/> C | <input type="radio"/> D |
| 4 | <input type="radio"/> A | <input type="radio"/> B | <input type="radio"/> C | <input type="radio"/> D |
| 5 | <input type="radio"/> A | <input type="radio"/> B | <input type="radio"/> C | <input type="radio"/> D |

SAMPLE



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| QUESTION | KEY | KEY REASONING | LEVEL OF DIFFICULTY |
|----------|-----|---|---------------------|
| 1 | C | Observe the diagram carefully: the eyes are at the end of the long tentacles. | Easy |
| 2 | A | The teacher explained that when a plastic bag was placed over a plant, the water that formed on the inside of the plastic bag had come from the plant. For the test to show that water came from the soil in the same manner, the water must form inside the plastic bag over the pot with soil in it (pot X), and water must not form inside the plastic bag over the pot with no soil in it (pot Y). | Medium |
| 3 | D | As all drops were the same measured size, the fastest spreading liquid would wet the biggest area of paper. This would be the liquid that was best absorbed by the paper. Water has the biggest wet area. | Medium |
| 4 | B | Note that there are two scales, one for the nail and another for the graph. The nail is 4.5 cm long. The end of column A is in line with the end of the nail but the graph scale indicates that the column is only 2 cm long, and so column A is wrong. Column C is 5 cm long and column D is almost 8 cm long, so they are both wrong. | Medium |
| 5 | A | As the shadows of the trees, buildings and walls are toward the bottom left hand corner, the Sun must be toward the top right hand corner. As this is early morning and the Sun rises in the east, the top right hand corner must be east. | Hard |

LEGEND

Level of difficulty refers to the expected level of difficulty for the question.

Easy more than 70% of the candidates will choose the correct option.

Medium more than 50–70% of the candidates will choose the correct option.

Medium/Hard more than 30–50% of the candidates will choose the correct option.

Hard Less than 30% of the candidates will choose the correct option.