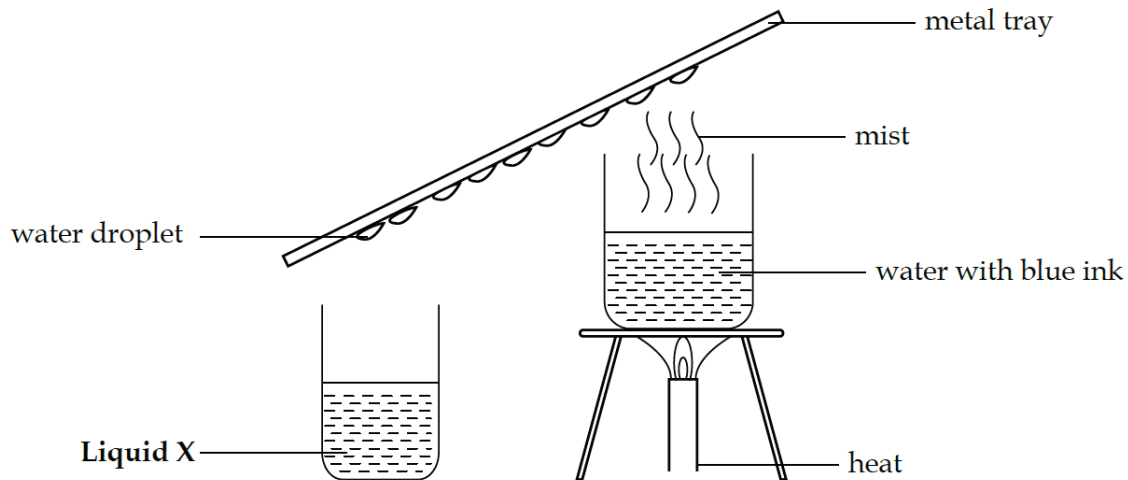


Conquer Science

Topic: The Water Cycle

① Doreen set up the experiment as shown below.



(a) Explain why water droplets had formed on the metal tray.

(b) Doreen noticed a cloud mist forming when the water with blue ink was boiled. What is this mist?

(c) What is the colour of Liquid X?



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Type of Resource:

This printable worksheet should be distributed to fifth grade or sixth grade students to answer to teach them about the water cycle.

The actual courseware/source of this activity is an integrated science courseware that promotes easy science learning by helping students combine the knowledge, skills and attitudes they learned in science class through answering various questions in this interactive workbook.

How to use this Resource:

We highly suggest that you use this resource if you are a teacher who wants your fifth grade or sixth grade students to learn more about the water cycle. Open the discussion by asking students about the importance of water to us and our environment and if they have any idea about how does a water cycle work.

Proceed to talk about the process of water cycle itself. You can then print this worksheet and ask the students to answer the questions.



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Answer Key:

- (a)** • When steam (hot water vapour) meets the surface of the metal tray, it condenses to form water droplets.

 - When steam meets the cool surface of the metal tray, it condenses to form water droplets.
 - When hot water vapour meets the cool surface of the metal tray, it condenses to form water droplets.

(b) It is made up of water droplets / condensed steam / condensed water vapour.

(c) It is colourless / transparent / clear
- (a)** The water cycle ensures a continuous supply of water for the survival of all living things

(b) • The two factors are temperature and exposed surface area. The increase in temperature causes the rate of evaporation to increase. The increase in humidity causes the rate of evaporation to decrease.

 - The two factors are temperature and wind speed. The increase in exposed surface area causes the rate of evaporation to increase. The increase in humidity causes the rate of evaporation to decrease.
 - The two factors are temperature and humidity. The increase in wind speed (presence of wind) causes the rate of evaporation to increase. The increase in humidity causes the rate of evaporation to decrease.



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Conquer Science

Topic: The Water Cycle

② (a) What is the importance of water cycle?

(b) Name two factors that affect the rate of evaporation.
Describe how these factors affect the rate of evaporation.



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More Details about the Resource:

Conquer Science for Primary Levels 5/6 is an integrated science courseware that promotes easy science learning by helping students combine the knowledge, skills and attitudes they learned in science class through answering various questions in this interactive workbook.

Containing a collection of 100 exercises and more than 650 questions on popular science topics that include Reproduction in Humans, Water and Changes of State, Man's Impact on the Environment, and Adaptations for Survival to name a few, Conquer Science serves as a quick and thorough revision practice for students who are preparing for their science exams.

What's awesome about Conquer Science for Primary Levels 5/6 is how it promotes independent learning because students have the option to immediately check if their answers are correct through the "Check Answers" feature. Another great feature of the courseware is the "Reset Answers" button, which let the students try answering over and over again until they've mastered the lesson.

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