

Science Task 2

Information:

When conducting task 2, make sure an adult is in charge of this due to that fact a kettle is being used.

How to conduct experiment:

1. The water in the kettle represents the water on Earth.
2. Heat the kettle. The metal coil represents the sun's heat.
3. The cold metal tray (put it in the fridge prior to experiment) represents the clouds.
4. Make sure to hold the tray above the spout of the kettle. Make sure you are at least 30 cm away to avoid being burnt by the steam and make sure your hand is away from the spout of the kettle.
5. Have an empty container below the metal tray.



What should happen?

- The water is evaporated from the sun's heat. This is represented by the steam coming out of the kettle.
- When the evaporated water hits the cold cloud, the water vapour condenses into liquid water again.
- You should see droplets of water on the cold tray.
- The water droplets will start falling (raining/precipitation).
- Rain water collects in the container, thus completing the water cycle.