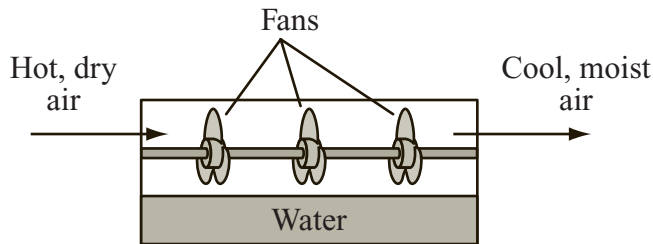


The diagram below represents an evaporative cooling system for a house, which is suitable for use in hot, arid climates.



When the fans are on, hot outside air is pulled over a water reservoir. The resulting cool, moist air is then blown into the house through the duct system.

- Identify the two fluids used in the evaporative cooling system.
- Identify whether the evaporative cooling system is an open system or a closed system. Explain your answer.
- Describe **one** change in the evaporative cooling system that would allow more cool air to be produced.

In this system, some heat is transferred by conduction between the air and the water.

- Describe how conduction occurs between the air and the water.