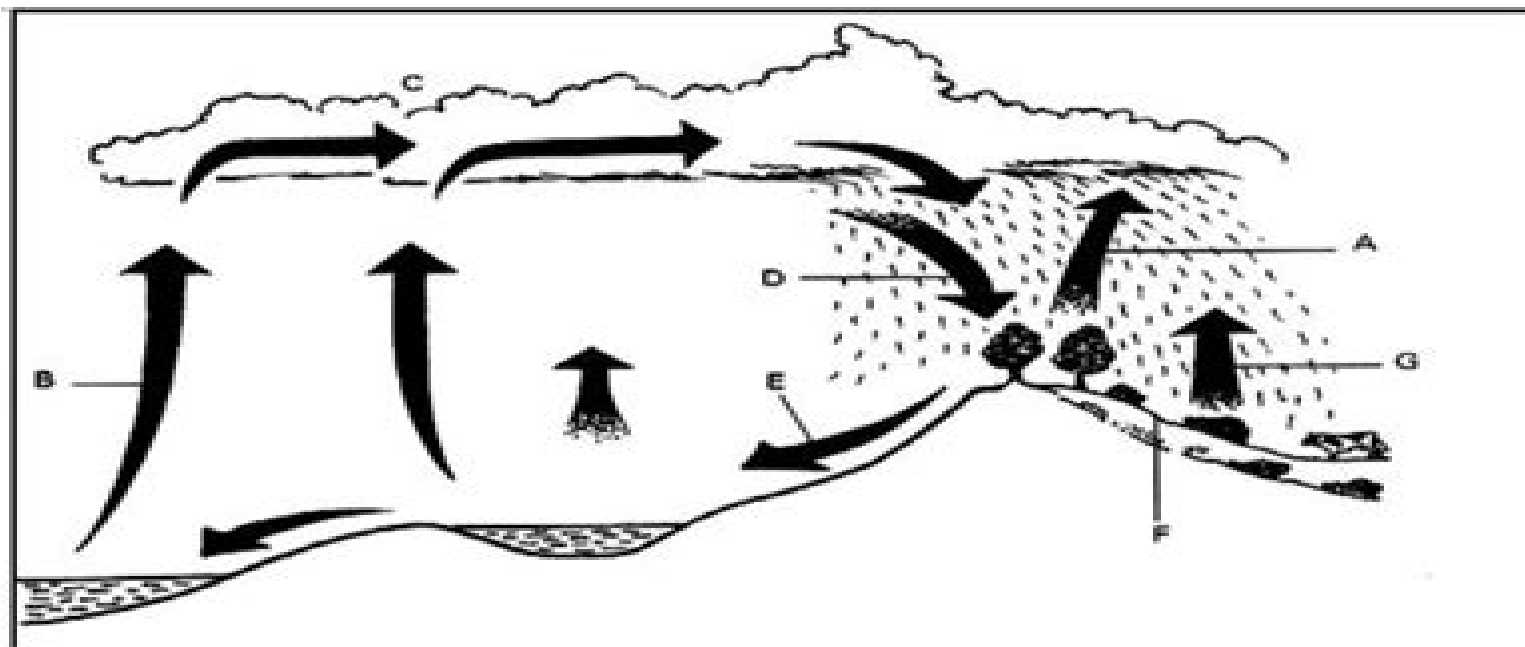


QUESTION 11

There are many cycles that occur globally. Water is found in oceans, ice caps, rivers and lakes, and in the air we breathe. Many physical changes take place during the water cycle and energy transfer also occurs.

Below is the diagram of the water cycle.



- 11.1 Briefly explain the term *hydrosphere*. (1)
- 11.2 Write down the name of the process labelled:
- 11.2.1 **A** (1)
 - 11.2.2 **B** (1)
 - 11.2.3 **C** (1)
- 11.3 Explain how the atmosphere and hydrosphere interacts. (2)
- 11.4 The water cycle takes place in a closed system, which means that the total amount of water on earth remains constant. Give THREE possible reasons why so many countries in the world today, including South Africa, are facing a shortage of water. (6)

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