

## Interactions and Ecosystems Practice Quiz

### Topic 5 - Cycles in the Environment

1. Carbon is an integral part of an ecosystem. It is cycled throughout the ecosystem as it is used and then reused. It is necessary for all life to exist. Carbon is used by plants in the process of ...

**respiration**

**photosynthesis**

**transpiration**

**decomposition**

2. Petroleum products, which contain carbon, are burned, and the carbon escapes into the atmosphere, as carbon dioxide, BUT, how does it get into the petroleum in the first place?

**refineries**

**plant respiration**

**decomposing plankton**

**photosynthesis in plants**

3. Another very important cycle is the Water Cycle. All living things need water to live. This cycle has four main processes. The two processes that return water to the earth are ...

**evaporation and condensation**

**condensation and precipitation**

**transpiration and condensation**

**evaporation and transpiration**

4. The process in which water, in the water cycle, goes through a phase change, from a gas to a liquid, is called ...

**evaporation**

**transpiration**

**condensation**

**precipitation**

5. Pollution can cause problems within any ecosystem. The pollutants can enter this ecosystem by combining with the water vapour in the air. Their effect is felt when they become ...

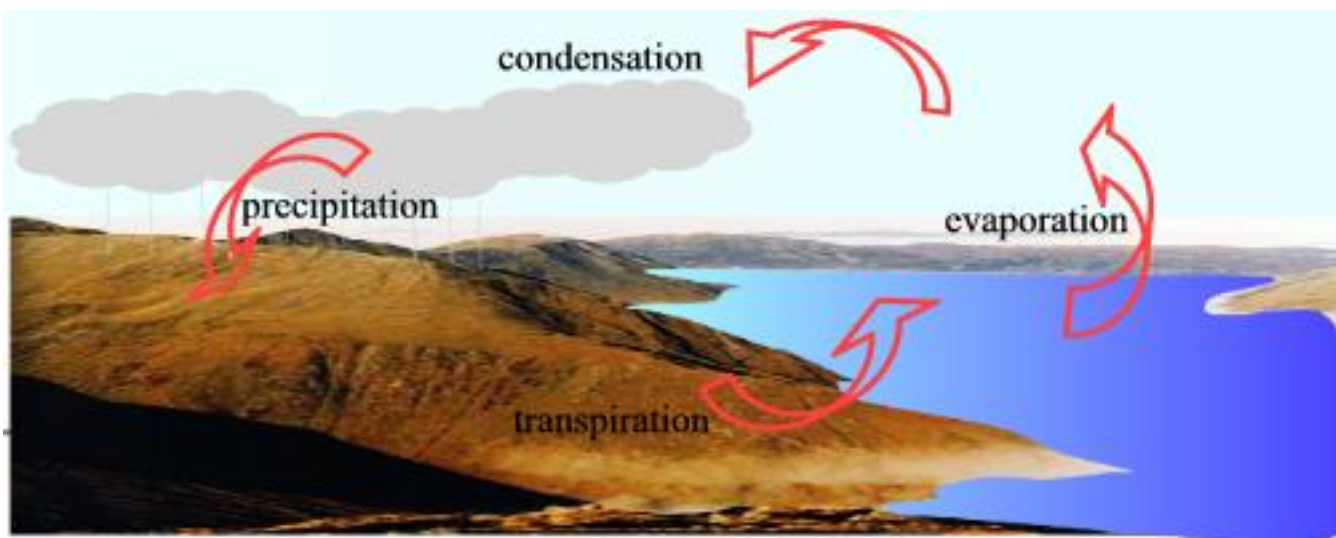
**basic and cannot be decomposed**

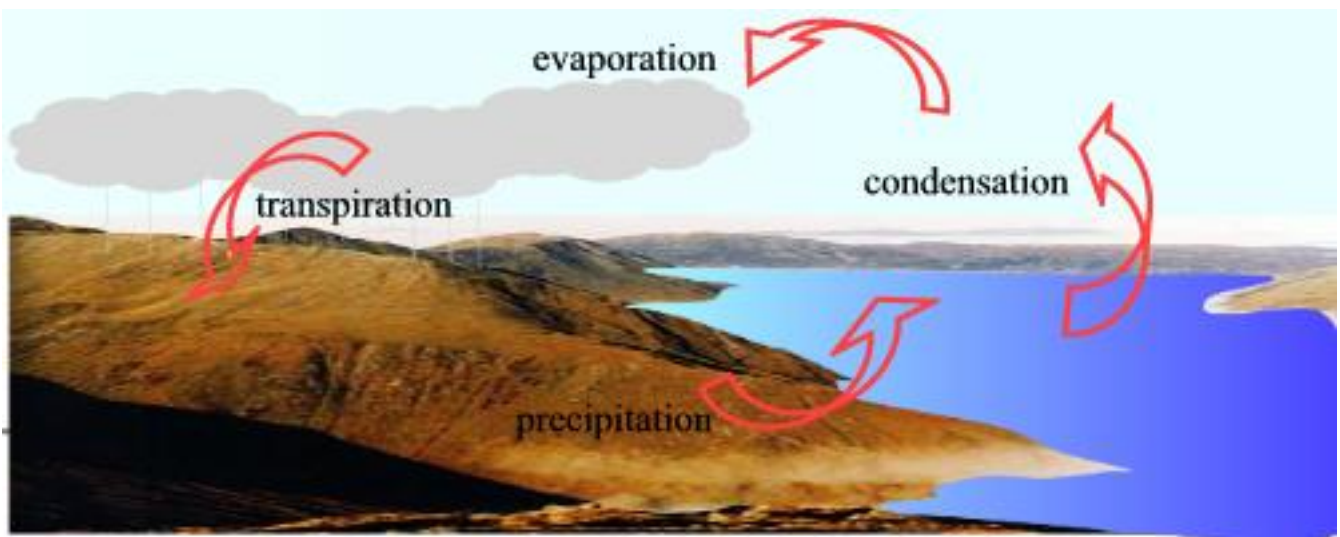
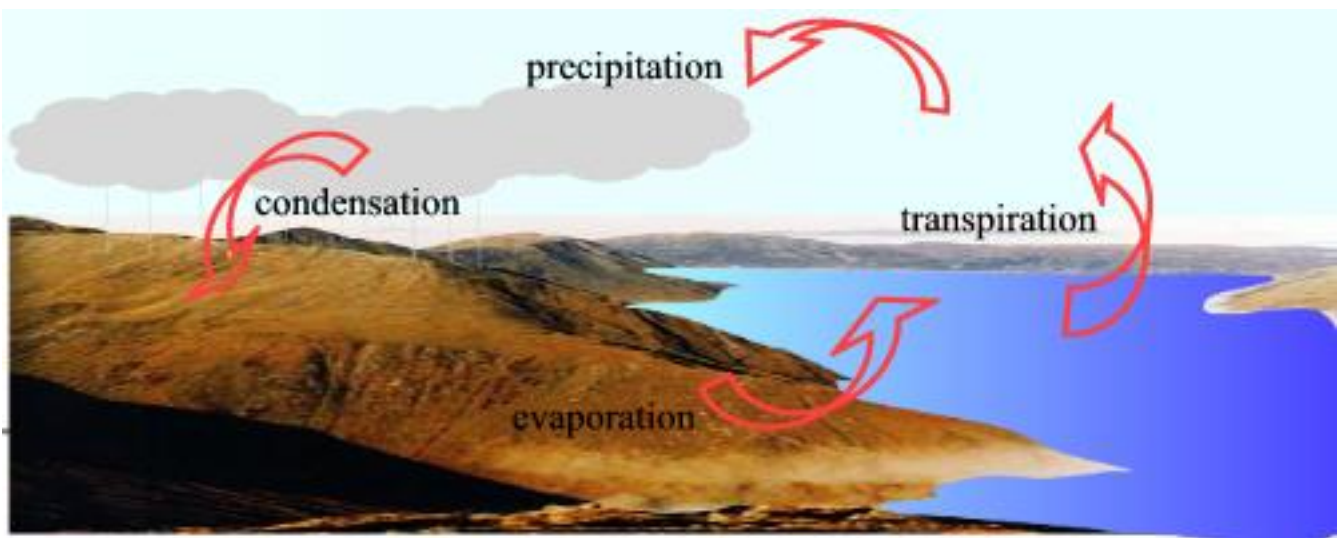
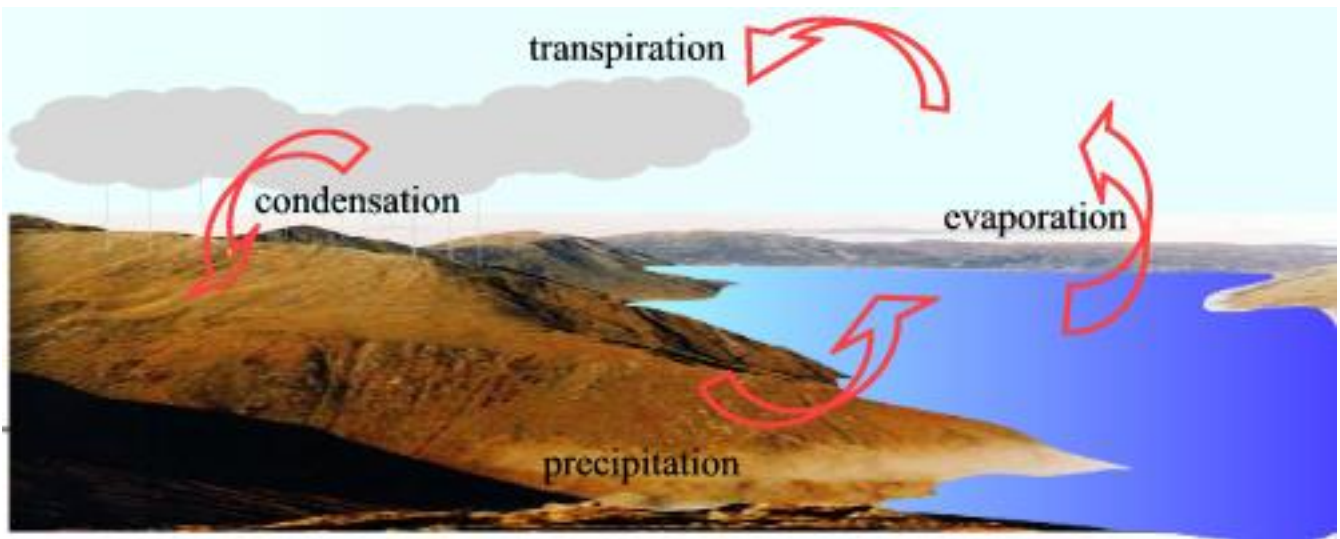
**acidic and cannot be decomposed**

**basic and increase plant growth**

**acidic and destroy the ecosystem**

6. Which of the following illustrations correctly represents the water cycle?





Check your [Answers](#)

## **Interactions and Ecosystems Practice Quiz (Answers)**

### **Topic 5 - Cycles in the Environment**

1. Carbon is an integral part of an ecosystem. It is cycled throughout the ecosystem as it is used and then reused. It is necessary for all life to exist. Carbon is used by plants in the process of ...  
**respiration**

**photosynthesis (Text p. 49) Plants use carbon dioxide in the process of photosynthesis - making their own food.**

**transpiration**

**decomposition**

2. Petroleum products, which contain carbon, are burned, and the carbon escapes into the atmosphere, as carbon dioxide, BUT, how does it get into the petroleum in the first place?  
**refineries**

**plant respiration**

**decomposing plankton (Text p. 49) Over time and under great pressure, decomposing plankton changes into fossil fuels, which are petroleum products.**

**photosynthesis in plants**

3. Another very important cycle is the Water Cycle. All living things need water to live. This cycle has four main processes. The two processes that return water to the earth are ...  
**evaporation and condensation**

**condensation and precipitation (Text p. 51) Figure 1.41**

**transpiration and condensation**

**evaporation and transpiration**

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**evaporation**

**transpiration**

**condensation (Text p. 51) Figure 1.41**

**precipitation**

5. Pollution can cause problems within any ecosystem. The pollutants can enter this ecosystem by combining with the water vapour in the air. Their effect is felt when they become ...

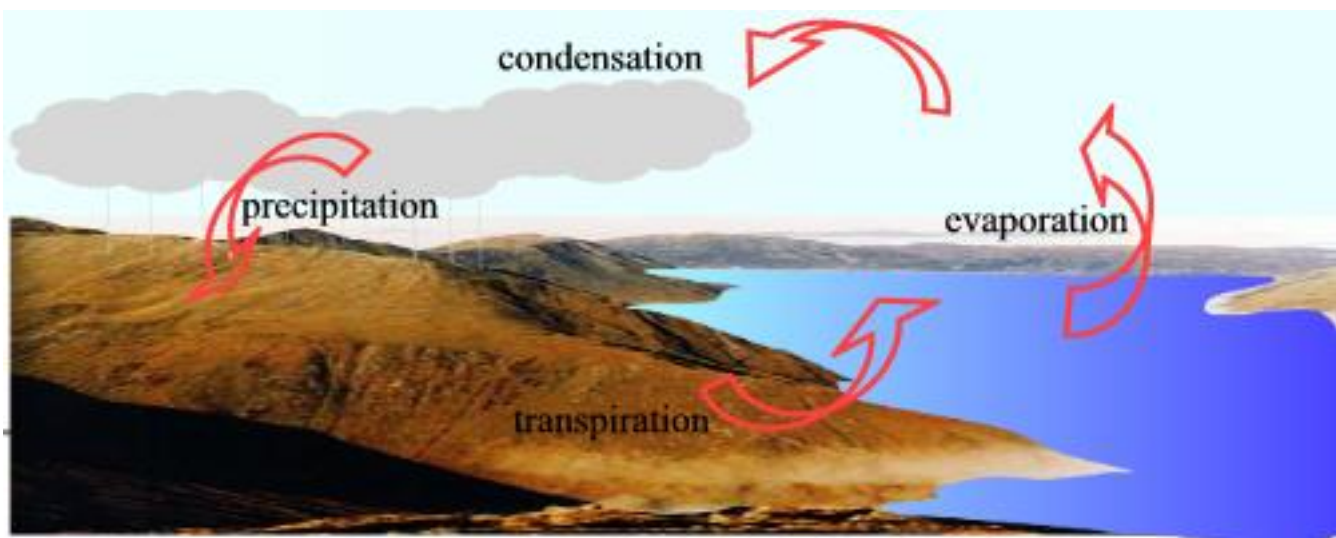
**basic and cannot be decomposed**

**acidic and cannot be decomposed**

**basic and increase plant growth**

**acidic and destroy the ecosystem (Text p. 52) Acid Rain**

6. Which of the following illustrations correctly represents the water cycle?



**This illustration is correct - (Text p. 51) Figure 1.41**

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