



Which statement best explains how the sun and the ocean interact to form a cumulonimbus cloud?

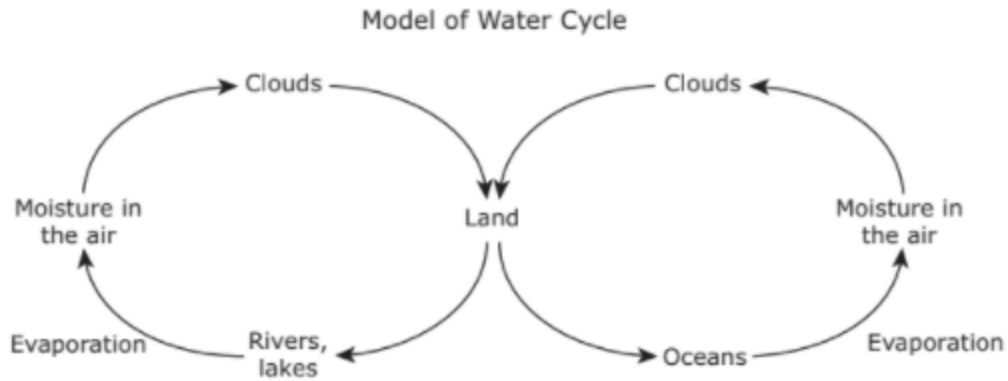
- F** Heat from the sun warms the ocean, causing water to evaporate. The water vapor then condenses to form a cumulonimbus cloud.
  - G** Heat from the sun causes clouds in the area to gather over the ocean and form one large cumulonimbus cloud.
  - H** Light from the sun shines on the ocean, causing water vapor to condense. The water then evaporates to form a cumulonimbus cloud.
  - J** Light from the sun causes ocean water to reflect water vapor into the air and gather over the ocean into a cumulonimbus cloud.
- 2** Which of the following explains how water undergoes a change of state in one stage of the water cycle in order to move from the ocean's surface into the air?
- F** Liquid water that is heated by the sun becomes a gas and rises.
  - G** Gaseous water rises as it is cooled by the ocean.
  - H** Liquid water that is heated by the sun condenses into rain.
  - J** Gaseous water collects in drops of fog above the ocean's surface.

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**18** Which process will happen when the sun interacts with the ocean?

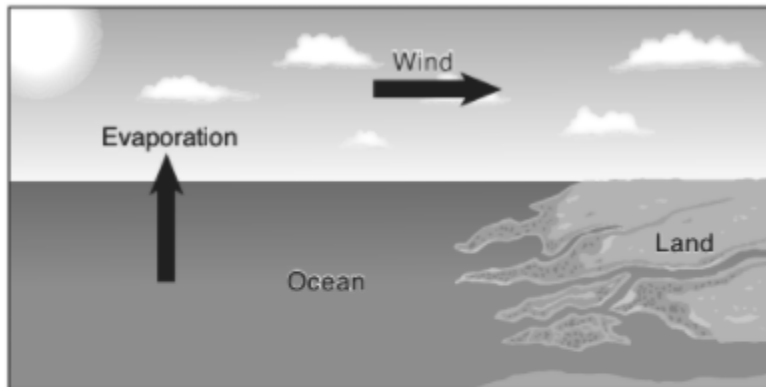
- F** Rain will fall only on the land.
- G** Water will not evaporate at nighttime.
- H** Salt water will become fresh water vapor.
- J** Precipitation will happen less often.

- 36** The model below shows where water can be found during different stages of the water cycle.



What should be added to the diagram to better explain the water cycle?

- F** Soil to trap water from runoff
- G** The sun to provide energy for evaporation
- H** Rocks to release thermal energy
- J** Plants to provide oxygen in the atmosphere



- 27** The diagram above shows the process of evaporation over the ocean. What is the most likely effect of this process on the land areas nearby?
- A** Increased drought conditions
  - B** Decreased erosion of the shoreline
  - C** Increased precipitation
  - D** Decreased solar energy

**38** This photograph shows a beach on a partly sunny day.



Which of the following is an interaction between the sun and the ocean that results in clouds forming near the beach?

- F** Energy from the sun causes precipitation over the ocean.
- G** Energy from the sun causes water to evaporate from the ocean.
- H** Light from the sun reflects off the surface of the ocean.
- J** Light from the sun decreases the amount of water vapor in the air over the ocean.

**15** Which of the following events in the water cycle is an example of solar energy being absorbed?

- A** Water vapor condensing to form clouds
- B** Water evaporating from the surface of an ocean
- C** Rain freezing as it falls toward the ground
- D** Clouds releasing precipitation over a mountain