

Water on the Move

Complete the cycle powered by the Sun.

5.10 "Earth and space. The student knows that there are recognizable patterns and processes on Earth. The student is expected to: explain how the Sun and the ocean interact in the water cycle and affect weather..."

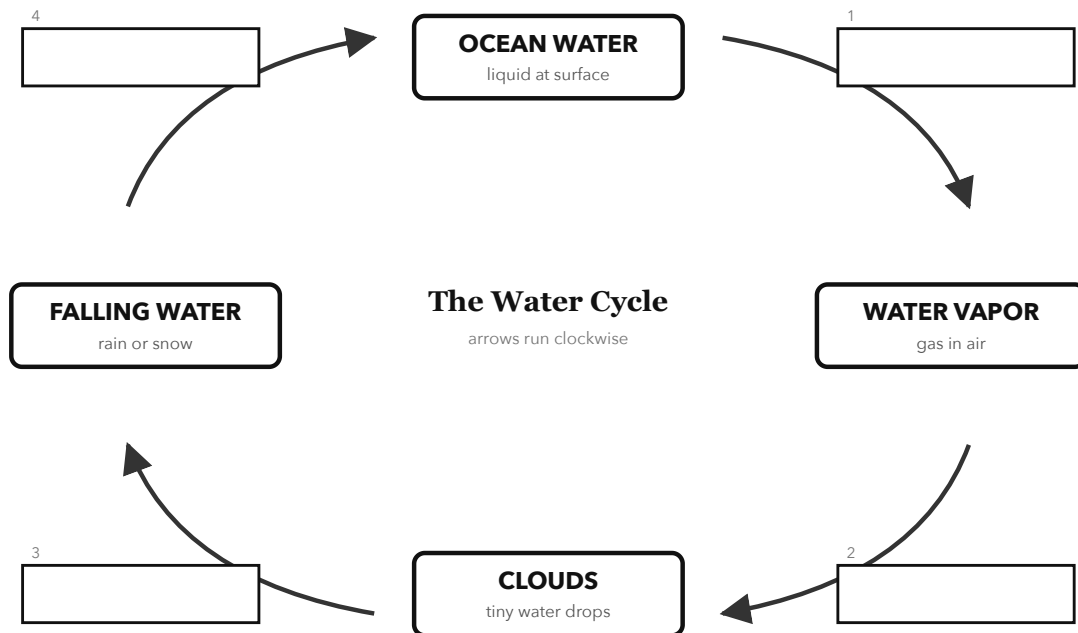
NAME _____

DATE _____

1 LABEL THE MODEL _____ Word bank below

Write one process from the word bank in each numbered box. Follow the arrows around the cycle.

WORD BANK	collection and runoff	condensation	evaporation	precipitation
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2 RUN THE MODEL Use your finished diagram

1 Which process changes ocean water into water vapor?

2 Which process happens after clouds form and moves water back toward Earth's surface?

3 How does the Sun help start this cycle?

3 CHECK IT Before you turn it in

☐ I matched each process to an arrow.

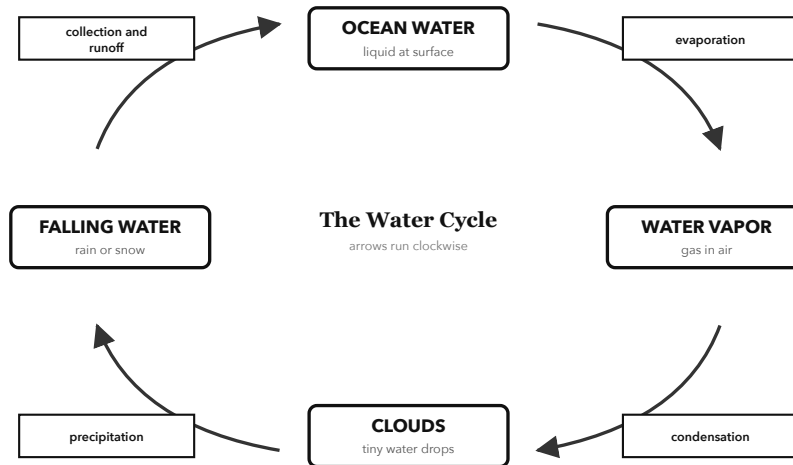
☐ I followed the arrows in a loop.

☐ I can explain how the Sun begins evaporation.

TEST THE MODEL

What is one part of the real water cycle that this model leaves out?

PART 1 • COMPLETED MODEL



PART 2 • RUN THE MODEL

1. **Evaporation.** (Which process changes ocean water into water vapor?)
2. **Precipitation.** (Which process happens after clouds form and moves water back toward Earth's surface?)
3. **The Sun heats ocean water, causing evaporation.** (How does the Sun help start this cycle?)

TEST THE MODEL (SAMPLE ANSWERS)

- The model leaves out water soaking into the ground.
- The model leaves out plants releasing water vapor.

Process order: evaporation, condensation, precipitation, collection and runoff. Accept "runoff and collection" for the final arrow.