

Sun Powered Cycle

Track water as it travels in a repeating loop.

3.7.b “the energy from the sun drives the water cycle; and”

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.

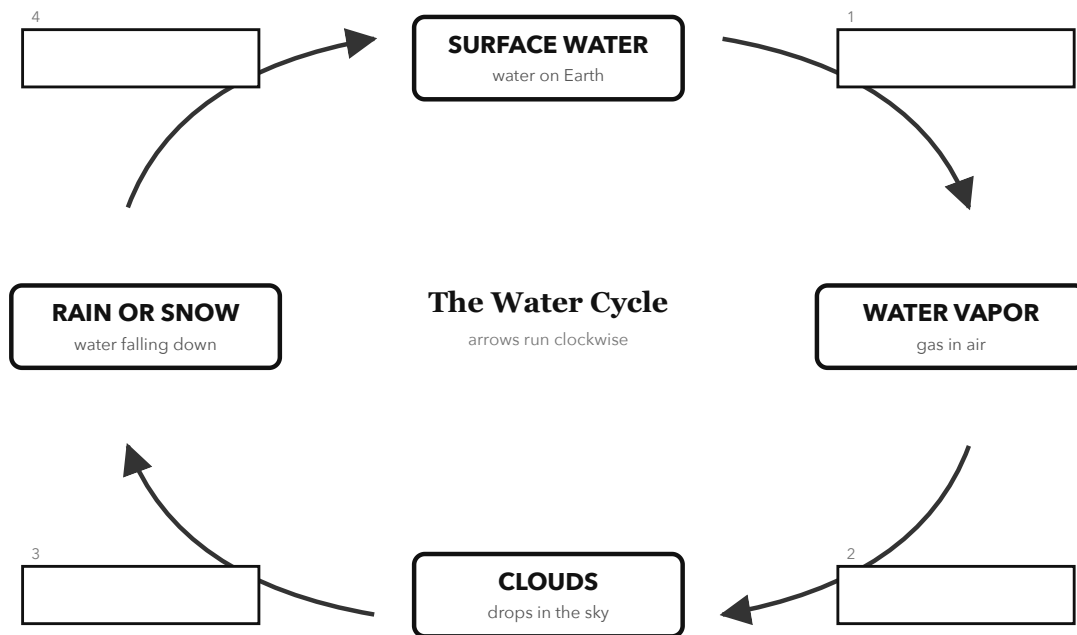
WORD BANK

collection

condensation

evaporation

precipitation



2 RUN THE MODEL Use your finished diagram

1 Which process uses energy from the Sun to move water upward?

2 What stage comes right after WATER VAPOR?

3 Which process moves water from CLOUDS to RAIN OR SNOW?

3 CHECK IT Before you turn it in

☐ I placed all four processes in order.

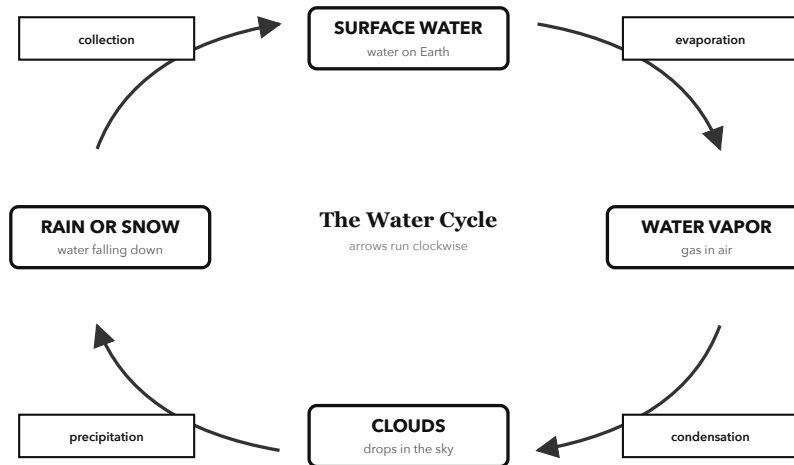
☐ I can trace water around the loop.

☐ I can name the process powered by the Sun.

TEST THE MODEL

What is one way real water movement is more detailed than this model?

PART 1 • COMPLETED MODEL



PART 2 • RUN THE MODEL

1. **evaporation** (Which process uses energy from the Sun to move water upward?)
2. **CLOUDS** (What stage comes right after WATER VAPOR?)
3. **precipitation** (Which process moves water from CLOUDS to RAIN OR SNOW?)

TEST THE MODEL (SAMPLE ANSWERS)

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

The correct arrow sequence is evaporation, condensation, precipitation, collection. Energy from the Sun drives evaporation.