

# The Water Cycle: Energy and Forces



Show what you know about the water cycle by answering the questions below!

**1. Vocabulary Matching:** Draw a line to match the vocabulary term on the left with its definition on the right.

**Precipitation**

The process of water changing from a liquid to a gas at the surface of a body of water

**Condensation**

The process of water changing from a gas to a liquid

**Evaporation**

The process of water falling from clouds toward Earth's surface

**Surface runoff**

The process of water flowing along Earth's surface

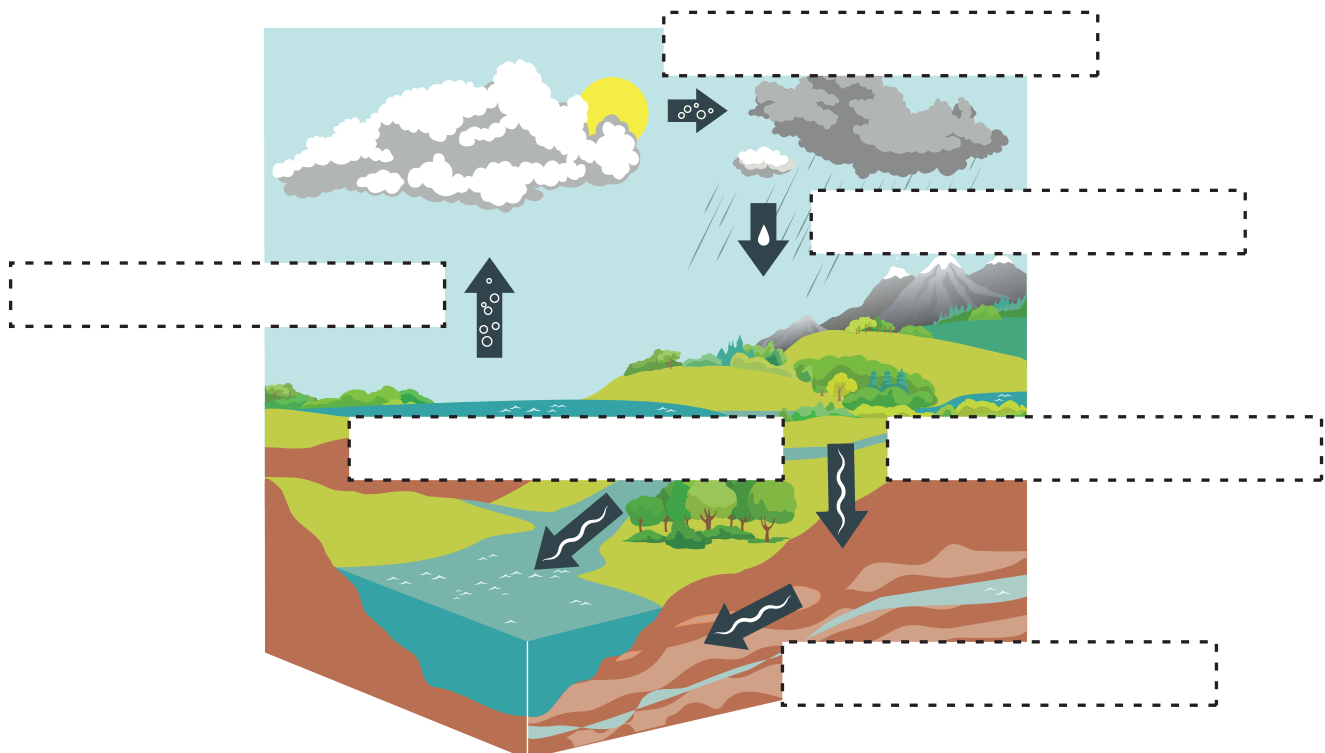
**Groundwater flow**

The process of liquid water moving from above the ground to below Earth's surface

**Infiltration**

The process of liquid water moving below Earth's surface

**2. Label the Diagram:** Use the vocabulary terms above to label the diagram below. You will use each term once.



# The Water Cycle: Energy and Forces



Answer the questions below.

3. Name at least three different forms of precipitation. \_\_\_\_\_

\_\_\_\_\_

4. Transpiration is when a plant releases water vapor through its stomata, which are pores in its leaves and stems. What other process in the water cycle is this most similar to? Explain your reasoning.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

5. Which process in the water cycle requires energy from the sun? Explain how you know.

\_\_\_\_\_

\_\_\_\_\_

6. During which process in the water cycle does water release thermal energy? Explain how you know.

\_\_\_\_\_

\_\_\_\_\_

7. If you leave a cold glass of water outside on a hot summer day, water droplets form on the outside of the glass. Where does this water come from? What process in the water cycle causes this to happen?

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

8. Which processes in the water cycle are driven by the force of gravity? Explain how you know.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_