Science – "The Never-Ending Circle"

Topic: The Water Cycle **Target Grade Level:** Grades 3–5 (Elementary/Primary) **Duration:** 35 Minutes **Materials:** Paper (landscape orientation), blue crayons/markers.

Learning Objectives

- Students will visualize the continuous movement of water on Earth.
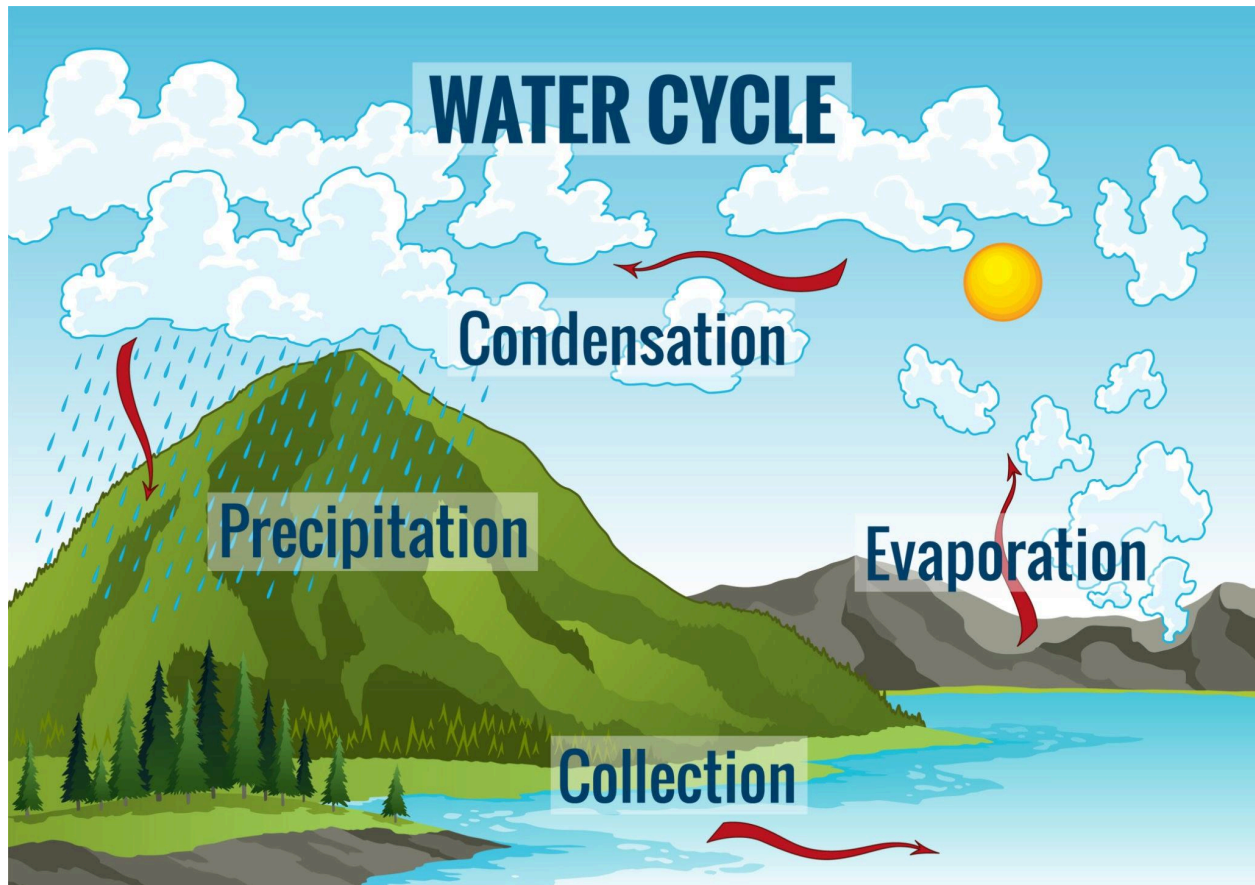- Students will understand key vocabulary: *Evaporation, Condensation, Precipitation, Collection*.

Instructions

1. Preparation (5 Mins):

- Teacher: *"Water is the only thing on Earth that is constantly recycling itself. We are drinking the same water the dinosaurs drank! Today, we are going to draw that journey."*

2. The Procedure (20 Mins):

- **Step 1: The Heat Source (Evaporation)**
  - *Teacher Script:* "It all starts with the sun heating up the ocean. The water turns into an invisible gas called vapor and floats up into the sky, just like steam from a kettle."
  - 🛑 **STOP AND DRAW:** Draw the ocean at the bottom and a big sun at the top. Draw squiggly lines rising up from the water.

- **Step 2: The Floating Fluff (Condensation)**
  - *Teacher Script:* "As the vapor gets high up, it gets cold. It turns back into tiny liquid water droplets that group together to form clouds."
  - 🛑 **STOP AND DRAW:** Draw big fluffy clouds at the top of your paper catching the squiggly lines.
- **Step 3: The Heavy Drop (Precipitation)**
  - *Teacher Script:* "The clouds get too heavy with water. They can't hold it anymore. The water falls back down as rain, snow, or hail."
  - 🛑 **STOP AND DRAW:** Draw rain or snow falling from the clouds down toward the land (mountains/hills).
- **Step 4: The Journey Home (Collection)**
  - *Teacher Script:* "The water hits the ground and runs into rivers and streams, eventually flowing all the way back into the ocean where we started."
  - 🛑 **STOP AND DRAW:** Draw a river flowing from the mountains back into your ocean. Draw arrows showing the full circle.

3. Review (10 Mins):

- Have students label their drawings with the four big words (Evaporation, Condensation, Precipitation, Collection).