

Water Cycle in the Bag Model Activity

You will need:

- Sealable plastic sandwich bag
- Permanent markers
- Tape
- Water
- Blue food colouring
- Window with exposure to sunshine

Instructions:

1. On the plastic sandwich bag, draw a diagram of the water cycle. Be sure to include:
 - a. sun
 - b. clouds
 - c. water accumulation (at the bottom of the bag)
2. On the plastic bag, draw arrows and labels for:
 - a. evaporation
 - b. condensation
 - c. precipitation
 - d. accumulation
3. Fill approximately $\frac{1}{4}$ of the bag with water.
4. Place 2 drops of blue food colouring into the water.
5. Seal the bag.
6. Tape the sealed bag onto the window. The window will need to have plenty of sun hitting it to show the process of the water cycle.
7. Allow the bag to be in direct sunlight for about an hour, then observe the process in the bag and identify the different stages of the water cycle.

