

Water Cycle Student Sheet

Demonstration

1. From the demonstration, explain why we need to conserve fresh water.

I. Humidity Chamber

1. Describe what you observe forming on the sides and top of the humidity chamber.

2. What is happening to the color of the cobalt paper? Explain.

3. What happened to the color of the cobalt paper when you removed it from the humidity chamber for 5 minutes? Explain.

II. Evaporation

1. Did your water droplets 'disappear' from the wax paper? Explain.

2. In evaporation, water changes from the _____ state to the _____ state.

III. Condensation

1. Where did the water droplets come from that are now forming on top of the mirror?

2. In condensation, water changes from the _____ state to the _____ state.

IV. Evaporation and Condensation

1. When you squeeze the bottle which process is occurring?

2. When you release the bottle which process is occurring?

V. Precipitation

1. Where do the water droplets come from that form on the bottom of the Pyrex cup?

2. Precipitation is another word for _____.

Draw a model for the water cycle that includes: a cloud, a river, land, and a mountain. Use arrows and the words to show the direction of evaporation, condensation, and precipitation.