



Weather Tanks: Student Activity Sheet

Name: _____

Date: _____

Part 1: Open vs Closed Systems

1. What do you think would happen to the Earth's water if we didn't have an atmosphere? _____

Part 2: Temperature's Effect on The Water Cycle

1. After you complete the activity, compare the container with the ice cube to the other container. What do you notice? _____

2. Predict what you think will happen if you were to use 3-4 cups with ice. _____

3. Compare your results to your prediction. _____

Part 3: Effects of Surface Area on The Water Cycle

1. After you complete the activity, compare the containers to each other. What do you notice? _____

2. Explain your results from both containers. _____

Part 4: Dirty Water

1. After you complete the activity, compare the container with clear water to the container with dirty water. What do you notice? _____

2. Predict what you think will happen if the dirty water cup sat out until all of the water evaporated. _____

3. Compare your results to your prediction. _____

4. Predict what you think will happen if you add salt to the water cup and allow it to sit out until all of the water is evaporated. _____

5. Compare your results to your prediction. _____

6. How is this similar to the water evaporating in the ocean? _____
