Mass Mass Relationship Lab - Video Questions

Answer the following questions, while watching this video

<https://www.youtube.com/watch?v=EVT4lujLW6Y>

1 Why does it not have to be exactly 50.0 ml of water?

If the amount of water is over 50ml, it will just evaporate anyway.

2 Why, specifically, does the demonstrator rinse the stirring rod?

The demonstrator rinses the stir rod to avoid any cross contamination.

3 What button did the demonstrator just push and why, specifically?

The zero button is pushed to weigh only the calcium chloride, not the total weight of the calcium chloride and the container. “It’s just weighing the other crap, not the container.”

4 Why does this chemical NOT have to be measured exactly?

The calcium chloride is in chunks which vary in different size and weight.

5 What does the term 'precipitate' mean, in terms of Chemistry,

and Why is it relevant here?

Precipitate means a solid formed by a change in a solution. Here, the potassium carbonate was dissolved.

6 Why, specifically, does the demonstrator rinse the beaker carefully?

Not in terms of safety, but for accuracy in the lab

The beaker was carefully rinsed to get anything in the container into the solution.

7 Why do you think the demonstrator rinses the filter paper?

The filter paper is rinsed to keep it stuck to the glass.

8 Why is it so important to get every bit of solid?

It is important to get every bit of solid for accuracy in the lab, no leftovers.