# Dissolve and precipitate

**Name ……**

## What you do

***Dissolve***

1. Find the mass of the flask labelled *Dissolve*. Write this in the results table.
2. Tip the flask to one side so that the solid stuff in the tube goes into the water in the flask.
3. Shake the flask gently.
4. Stop shaking when there is nothing changing in the flask.
5. Put a tick in the prediction table to show what you think the mass will be now.
6. Write down why you ticked that box.
7. Find the mass of the flask again. Write this in the results table.
8. Were you right? Write down what you think happened in the conclusion.

***Precipitate***

1. Find the mass of the flask labelled *Precipitate*. Write this in the results table.
2. Tip the flask so that the liquid in the tube goes into the liquid in the flask.
3. Shake the flask gently to make sure the liquids mix well.
4. Put a tick in the prediction table to show what you think the mass will be now.
5. Write down why you ticked that box.
6. Find the mass of the flask again. Write this in the results table.
7. Were you right? Write down what you think happened in the conclusion.

## Group discussion

- Agree on answers to these questions in your group.
- Choose someone to give your group's answers back to the class.

Does the same thing happen to the mass when all substances dissolve? Yes / No
Explain why you think this.

Does the same thing happen to the mass when all precipitates are made? Yes / No
Explain why you think this.

## Results

### Prediction table

| After mixing the substances in the flask, the mass will be … | Greater than before | The same as before | Less than before |
|---|---|---|---|
| Dissolve | | | |
| Precipitate | | | |

For *Dissolve*

I predict this because …

For *Precipitate*

I predict this because …

### Results table

| We measured … | Mass before / g | Mass after / g | What's the diffference? / g |
|---|---|---|---|
| Dissolving | | | |
| Precipitation | | | |

### Conclusion

When substances dissolve …

When a precipitate is made …