**Down the Drain Investigation** Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Questions:**

1. What did you do to find out how much water dripped from a tap? (Explain what you saw and what you recorded.)
2. Why would the amount of water that you saw drip be different from what other groups saw?
3. Why might your line graph look different from the line graphs other groups have dawn?
4. If a line graph showing that water dripping has a straight line, what does that tell you?
5. What did you do to find out how much water is saved by brushing your teeth with the tap off?
6. What did you do to find out the weekly water wastage from one dripping tap and one wasteful teeth brusher?

**Working out (Complete on the back of this sheet then the tick box):**

* Water loss dripping from a tap in one hour
* Water loss from a dripping tap for one day
* How long you brush your teeth for
* How much water would be wasted daily if water is running while brushing your teeth one time
* How much water would be lost in a week if you brushed your teeth twice a day and left the water running

**To hand in (Tick each box before stapling the items together and handing them in)**

* Data table showing how much water dripped over 2, 4, 6, 8 and 10 minutes
* Line graph showing the above information
* Answers to questions above
* This sheet, with the calculations on the back and everything checked off showing that it’s complete

**Working out**

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| --- | --- |
| Amount of water lost from a dripping for one hour  Answer: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Amount of water lost from a tap dripping for one day  Answer: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Length of time that you brush your teeth for  Answer: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Amount of water which would be wasted daily if water is running while brushing your teeth one time  Answer: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Amount of water which would be lost in a week if you brushed your teeth twice a day and left the water running  Answer: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |