

How Much Weight Do Rocks Lose When They Are Hitting Against Each Other Going Down a River?

Materials:

- 1 shoe box containers
- 2 sets of drain bottles
- 2 filters
- 1 pitcher
- 1 funnel
- 1 bottle of rocks with lid
- 1 baggie

Directions:

1. Write how much weight you think the rocks will lose in grams
 - a. Weight _____
2. Shake the rocks out of the bottle into one of the shoebox containers and take out any rocks that are less than a half inch
3. Wipe the rocks dry
4. Put the rocks in a baggie and weigh them in grams
 - a. Weight _____
5. Put the rocks back into the bottle
6. Put a filter in each of the drain bottles
7. Put a paper towel in the bottom of shoebox container
8. Pour in 1 cup of water into the bottle to cover the rocks and put the lid on
9. Shake the bottle for three minutes.
10. Pour the water from the bottle into one of the drain bottles
11. Pour more water in onto the rocks to rinse them off
12. Pour that water into the other drain bottle.
13. Shake the rocks out of the bottle into the shoebox container onto the paper towel.
14. Pick out all the rocks that are one-half inch or bigger and dry them off with a paper towel
15. Put the dry rocks in the baggie and weigh them.
16.
 - a. Weight _____
17. What is the difference?
 - a. Weight difference _____

18. What did you learn?