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#### Making Sense of SCIENCE Matter: Student Work Samples and Task A for Grades 6-8

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## Making Sense of SCIENCE

#### STUDENT WORK SAMPLES & TASK – SET (f)

#### Introduction to the Student Work Samples

Students completed this "Massive Air" task as a preassessment at the beginning of a 6<sup>th</sup> grade chemistry unit about solids, liquids, and gases. Just before doing this task, the students finished a geoscience unit exploring weather and the water cycle. Students worked individually on this task, and they had access to their science notebooks. They did not have access to a scale or a balloon.

This student work was collected for educators to use for their own professional learning as part of the **Making Sense of SCIENCE** professional development courses. It is ideal to use with the first session of our **Making Sense of Student Work** protocol. It can also be used with many other protocols designed to support teachers looking collaboratively at student work.

The samples in this download include ones from students with high, medium, and low levels of

understanding. They show an authentic variety of responses from a typical classroom. To protect students' identities, their names have been removed and each has been assigned an alias.

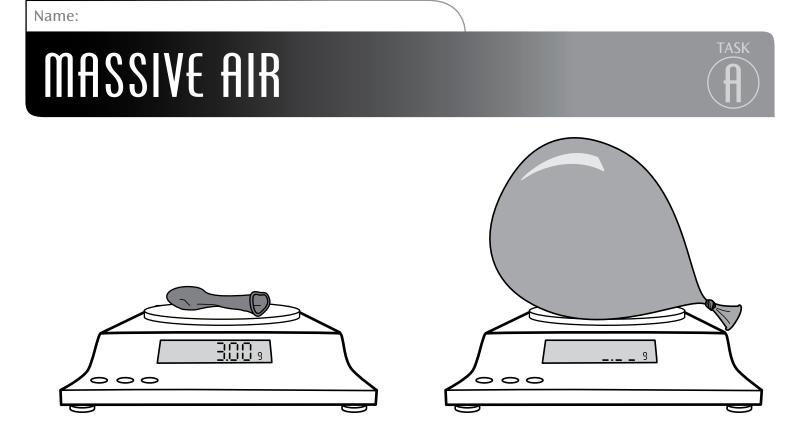
Also included in this PDF is a black line master of the task. This task is part of a larger Formative Assessment Task Bank. The full task bank and other task banks on different topics are available for download. Visit our website for more information and to purchase these items.

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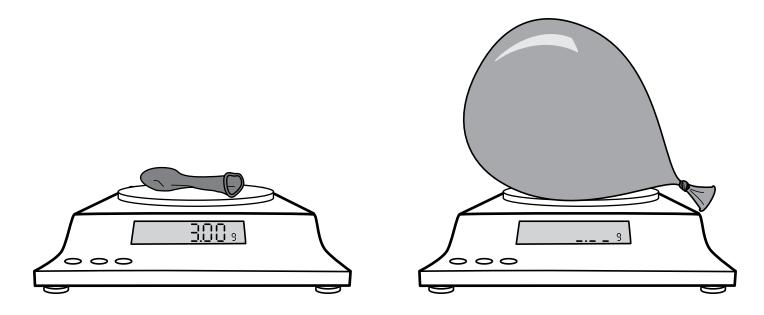
The deflated balloon has a mass of 3 grams. The inflated balloon is filled with air. Do you think the inflated balloon has more or less mass than the deflated balloon? Why or why not? Use the back if you need more space to write or draw.

TASK

#### Name: Annie

## MASSIVE AIR

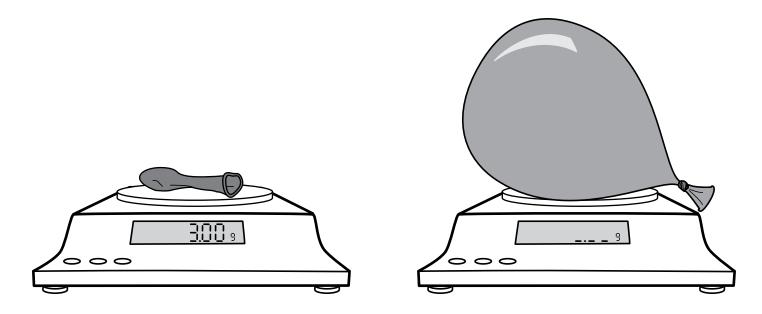




I think that the inflated balloon
weighs more than the deflected balloon.
I think this because the inflated balloon
Weighs the same as the deflated balloon
plus the weight of the air because
air has mass I think the inflated
balloon weighs a minute amount
more than the definited balloon.

Name: Brian





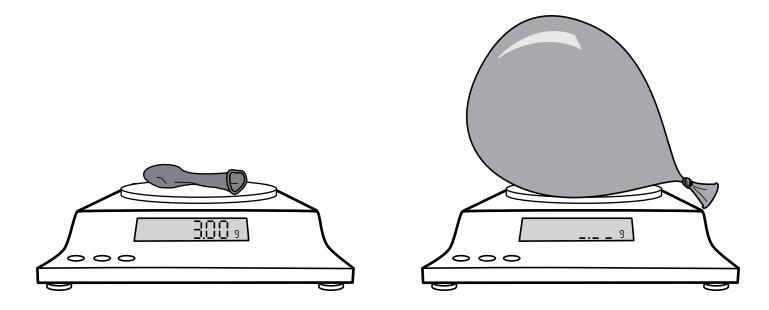
The deflated balloon has a mass of 3 grams. The inflated balloon is filled with air. Do you think the inflated balloon has more or less mass than the deflated balloon? Why or why not? Use the back if you need more space to write or draw.

I think the balloon with Air and the balloon without Air weigh the same I think this because they are both the same thing one just has air in it and air doest heigh anything so it and be the same but I think that the balloon with out air may weigh more because The mass of it is more spaced out and not as dense. so I am going to go with the balloon with air is lighter then the one without air is pre-

#### Name: Charles

### MASSIVE AIR

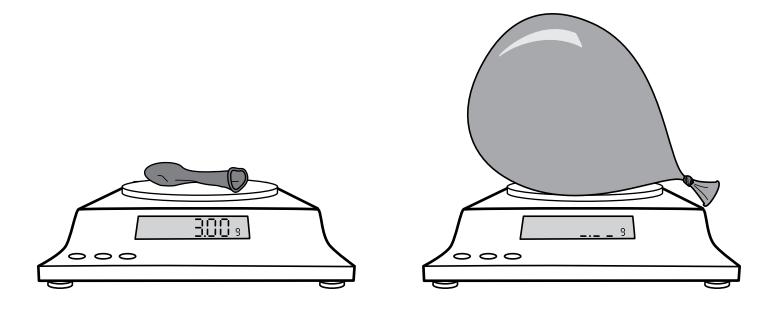




the inflated think that 1 babon will have loss mass because the deflated balloon is more dense therefore it weighs more. The inflated balloon is streched out so it is less genee

Name: **Danny** 

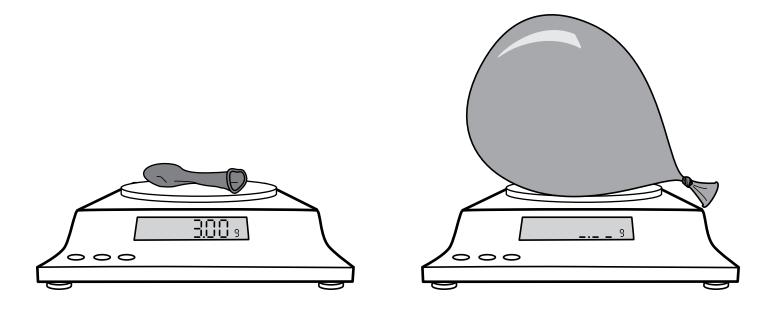




thi P, PC NPIQ ÐV Then the has air inside making with less lig iter gravit weight Q, P, less com Can lighter the air DP n/MM have

Name: **Elroy** 





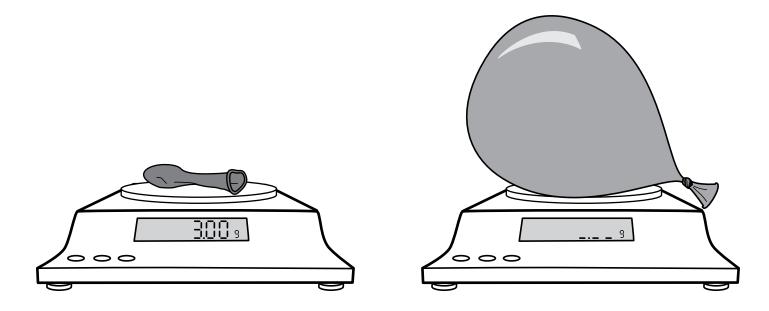
The deflated balloon has a mass of 3 grams. The inflated balloon is filled with air. Do you think the inflated balloon has more or less mass than the deflated balloon? Why or why not? Use the back if you need more space to write or draw.

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Name: Felicity



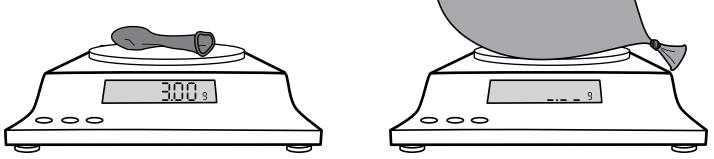


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# Name: Greg

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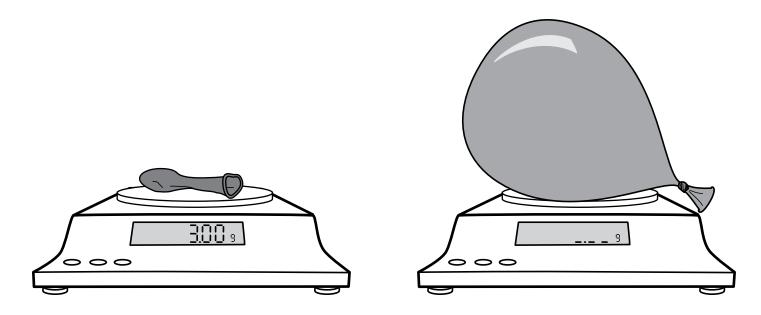
## Name: Harry



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Name: Irene





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