Name:	Date:
	Task Directions
Focus (Questions: Can mountains grow so tall that they reach outer space? Why or why not?
As you	work on the tasks below, think about how they might help you answer these questions.
Task A	
_	Observe the two pictures of a tree growing in the crack of a boulder. (The first picture was taken in 1999, and the second was taken in 2014.)
_	Talk about any differences you notice between the two pictures. Focus on the boulder and the tree.
In your	science notebook:
1. De	escribe what happened to the tree and the boulder between 1999 and 2014.
2. Pr	redict what will happen to the boulder in another 50 years. Explain why you think so.
Task B	
	Observe the two cans of soda. One can is frozen, and the other isn't.
□ T	alk about any differences you notice between the two cans.
In your	science notebook:
	hy was the frozen soda can deformed? What do you think will happen to the can when so soda inside thaws?
	escribe what you think happens over time when water freezes and then thaws in a rack in a rock.
Task C	
	Sather the materials you need: a small plastic jug and a bag of small rocks.
_	Count the rocks in the bag. Record this number in your science notebook and draw a sicture of what the rocks look like before you begin.
tl a	Place the rocks in the small plastic jug and secure the lid on the jug. Take turns shaking the jug vigorously for a total of 2 minutes. (Each group member should shake the jug for about 30 seconds.) Pour the rocks onto a paper towel and count them. Record this number in your science notebook and draw another picture of the rocks.
In your	science notebook:
1 D	oscribe any differences you notice in how the rocks looked before and after you shock

- Describe any differences you notice in how the rocks looked before and after you shook them in the jug.
- 2. Think about the rocks in the jug and predict what might happen to a large boulder that rolls down a mountain slope.

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