

## Lesson #2: Summary

Pick the best summary of today's class.

*Why is it the best? What's wrong with the other two? How can you improve the best one?*

#1

Today we learned about matter, which is anything that has mass and volume. We sorted different objects by mass and then by volume. Then, we completed sentences about mass and volume. Next, we tried to decide whether different things like water, sound and air were matter. Then, we did a demonstration with a balloon and a yardstick.

#2

The topic of today's lesson is matter, which is stuff. Next week we will have a quiz on it. First, we learned about the definition of mass and volume. Then, we arranged some things according to size. The plastic cooler was the biggest and the popcorn kernel was smallest. The plastic cooler was heavier than the styrofoam cooler. My partner and I disagreed about whether a full and an empty Coke can have the same volume. I didn't think air was matter, but my teacher said it was.

#3

Everything in the world is made of matter (unless it's form of energy). One definition of matter is STUFF in the world. A formal definition is anything that has mass (weight) and volume. Mass is a measurement of how much something weighs. We use a scale to measure weight. I like the word "heaviness" to remember what mass is. Volume is a measurement of how much space something takes up. I remember volume by thinking of the word "size". A bowling ball is an example of something with a lot of mass, but not a lot of volume. A cloud has a lot of volume, but not much mass. Light and sound don't have mass or volume, so they aren't matter. It might seem like air isn't matter either, but we showed that a balloon filled with air is heavier than an empty balloon, so air must be matter.