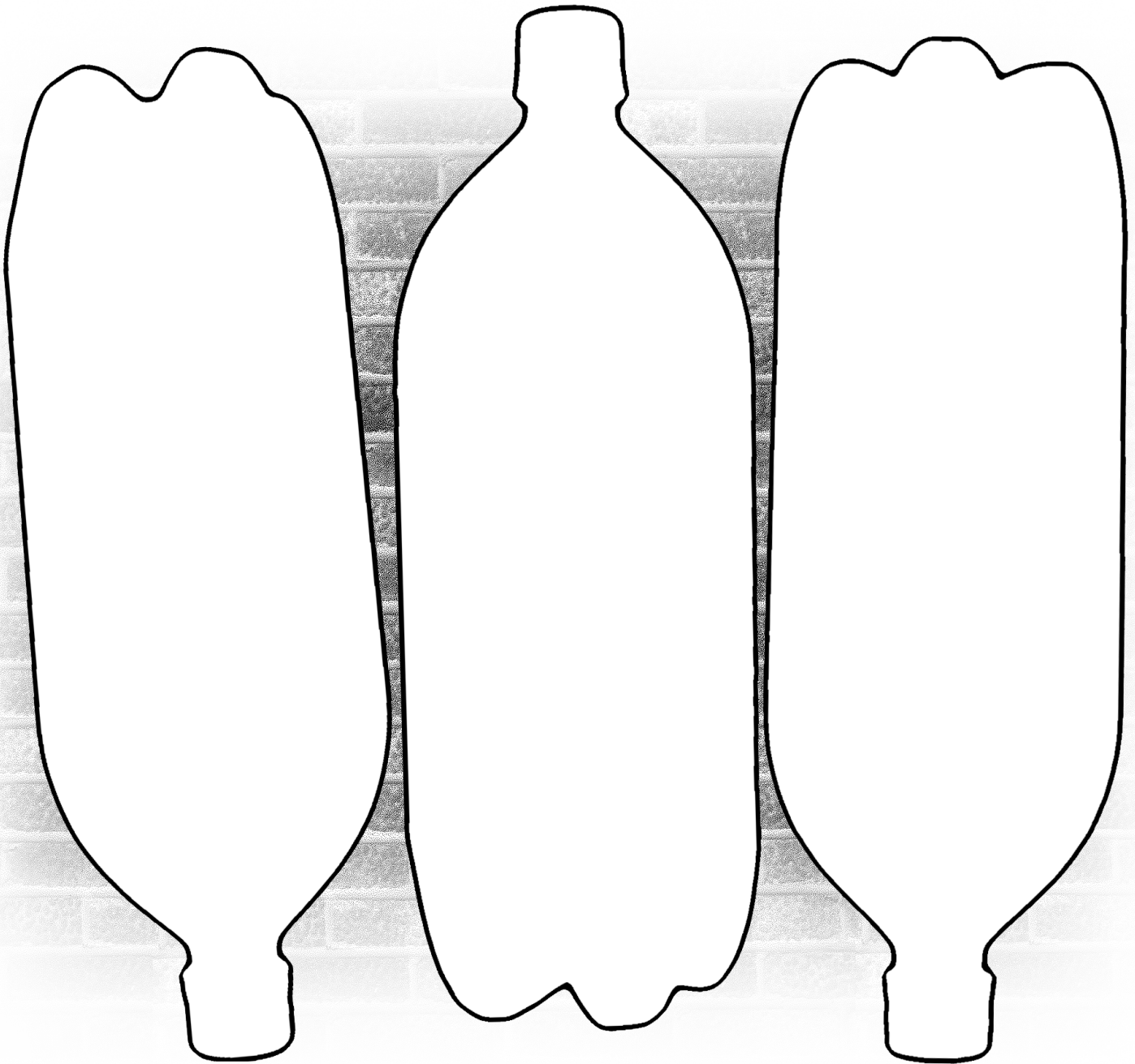


NAME: _____

What Would You Build? Drawing Worksheet

In the book *The Soda Bottle School*, Señó Laura used her creativity to make sure the town's investment paid off. Draw your three most creative ideas for building something out of soda bottles!



NAME: _____

What's a Bottle Worth to You? Worksheet

Does this label look familiar?

You may recognize the message from soda bottles. Nine U.S. states have laws that require a deposit payment when purchasing soda or other bottled drinks. Vermont, Maine, Connecticut, Massachusetts, New York, Oregon, and Iowa in require a 5¢ per bottle deposit for bottles purchase in their state. Michigan requires a 10¢ deposit per bottle. California has a "California Redemption Value," or CRV.

ME-VT-CT-MA-NY-
OR-IA-5¢ MI10¢ CACRV



It took 6,000 bottles to build the soda bottle school in the story. Señó Laura wants to know how much value the bottles are worth if each is worth a 5¢ deposit in Vermont?

6,000 soda bottles in Vermont are worth \$ _____.



If we assume a single school takes 6,000 bottles to build, and we wanted to build 4 schools. How many bottles would we need?

It would take around _____ bottles to build 4 schools.



If you lived in Michigan, where each bottle's deposit is 10¢, how much money would 6,000 bottles be worth?

6,000 soda bottles in Michigan are worth \$ _____.

NAME: _____

How Big of an Opportunity? Worksheet

In the book *The Soda Bottle School*, students at the local school struggle to learn in a crowded, noisy environment. Seño Laura comes up with the idea to address the town's need for a school by using bottles to build a classroom. As she brainstormed the best way to achieve her goal, she considered the "opportunity cost" of investing time to build a relatively low-cost building.

1) Hug it Forward is a nonprofit organization that assists communities build bottle schools. According to their website, they have helped build 104 schools in the last 8 years.

Q: On average, how many bottle schools are they building each year? _____

2) A school built by Hug it Forward and its team generally costs \$6,500 per classroom.

Q: If 104 schools have been built, what's the total value of the classrooms built to date? _____

BONUS:

A 2013 estimate found that 241,948,793 bottles were redeemed each year in Vermont. If it takes 6,000 to build a soda bottle school, how many schools could you build using one year of Vermont's bottle supply?